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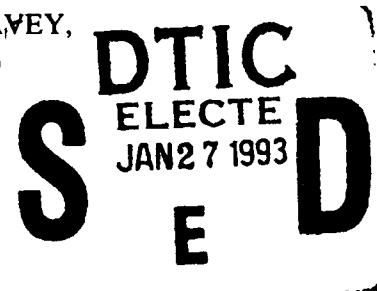
DEPARTMENT OF DEFENCE
DEFENCE SCIENCE AND TECHNOLOGY ORGANISATION
AERONAUTICAL RESEARCH LABORATORY
MELBOURNE, VICTORIA

Guided Weapons Technical Memorandum 016

**THE RADAR CROSS SECTIONS OF HAYES TRX-11, TPT-5A
AND TPT-5L TOWED TARGETS**

by

M.A. LUCAS, R.C. FARMER, J.D. DAVEY,
A.T. TICKNER, L.K. CATFORD



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SUMMARY

The Radar Cross Section data for the Hayes TRX-11, TPT-5A and TPT-5L towed targets is extracted from another DSTO paper to enable its use in computer simulations and as an aid in the analysis of telemetry data. Tables of interpolated radar cross section data for the vertically co-polarised case are included for each target.



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POSTAL ADDRESS:

**Director, Aeronautical Research Laboratory
506 Lorimer Street, Fishermens Bend 3207
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1. INTRODUCTION

Part of the information included in this document has been extracted from another DSTO document (reference 1), with all reference to classified material removed. The radar cross section data for the vertically co-polarised case has been interpolated and extrapolated to produce look-up tables for each target.

System reliability testing and air and ground crew training for missile systems involves a number of missiles being fired each year against simulated threats. These air threats are simulated by Hayes Universal Towed Target System (HUTTS) components, namely the TRX-11 and the TPT-5A towed targets. The firings take place at the Jervis Bay Missile Range (JBMR) using the Jindivik drone as the tug with missile telemetry being recorded at ground stations by the Royal Australian Navy Trials Assessment Unit (RANTAU). The TRX-11 tow is a radar target with its radar cross section (RCS) passively enhanced in the forward direction by a Luneburg lens. The TPT-5A is primarily an infrared (IR) target but does have some passive forward RCS enhancement by means of a cluster of corner reflectors, to assist in tracking of the target. The measurement of RCS of a TPT-5A target with a cluster of corner reflectors replaced by a Luneburg lens (noted for reference as TPT-5L) is also included.

2. THE HAYES TOWED TARGET SYSTEM

The Hayes Universal Towed Target System (HUTTS) targets are manufactured by Hayes International Corporation, Leeds, Alabama, USA and arrive in kit form to be assembled by the end user. These targets are used for the practice warhead and telemetry firings of the AIM-7M Sparrow and AIM-9L Sidewinder at JBMR and are flown from the Jindivik drone using a purpose developed launcher rail made by ASTA in Melbourne.

The fibreglass with polyester resin tow body has an internally mounted tow reel, mechanically controlled by a reel and brake assembly, to provide towline payout when the target is streamed. The 8000 feet towline is released at the tug when the mission has been completed or the target has been destroyed.

The TRX target shown in figure 1 is designed to be used with any gun or missile weapon system that requires a specific radar signature for acquisition, tracking, ranging, guidance and/or fusing. The TRX-11 target uses passive radar cross section augmentation by means of a Luneburg lens selected to be representative of the desired target type. At JBMR the RA-1420-1 Luneburg lens, of 22.2 cm diameter, with a minimum radar cross section for 10 GHz vertical-vertical polarisation and monostatic angle is of the order of 5 square metres in the forward 30 degree view angle away from the major axis. This Luneburg lens can only be mounted facing forward since it is too large to rotate inside the target body.

The TPT target is the infrared augmented target of the Hutts family. This target is augmented at infrared wavelength by a propane-fired source operated at approximately 1135 degrees celsius. The infrared emitting surface is approximately 8.5 inches in diameter and 9 inches long and has a plume deflecting plate at the rear of the assembly. The approximate output of the infrared augmentor is 400 watts per steradian in the 1.8 to 2.8

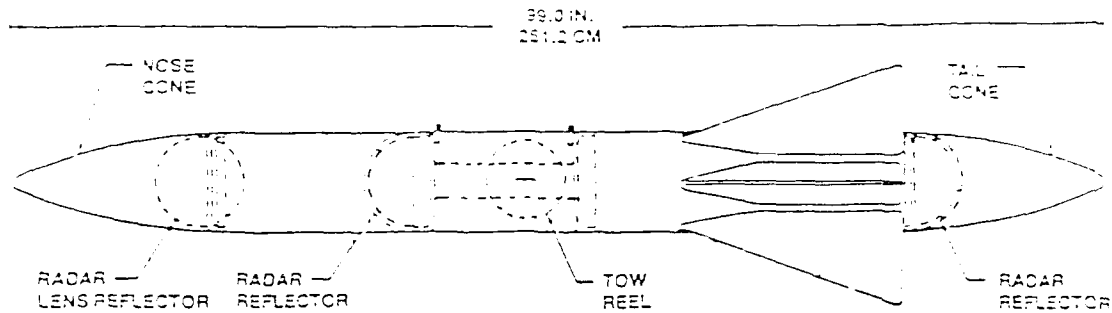


Figure 1. Outline of TRX-11 radar enhanced target.

micron band and 250 watts per steradian in the 3 to 5 micron band. Some forward radar cross section enhancement by a cluster of corner reflectors is provided to assist in radar detection and tracking of the target.

3. RADAR CROSS SECTION MEASUREMENTS OF THE HUTTS TARGETS

The radar cross sections of the TPT-5A, TPT-5L and the TRX-11 targets were measured and the data plotted for reference in Appendix I. The TPT-5L target is discussed in section 4.

The TRX-11 has its radar cross section enhanced by means of a Luneburg lens mounted under a plastic aerodynamic nose cone. Figure 1 shows the structure of the TRX-11 target with a metal hemispherical reflector at the rear, covered by an aerodynamic tail cone, and another metal hemispherical reflector forward of the tow reel. The theoretical radar cross section for the Luneburg lens, given as 12.7 dBm^2 , is significantly larger than the radar cross section for the metal hemispherical reflectors, given as -14.4 dBm^2 , both for 10 GHz frequency radiation, and thus can be taken to be the dominant feature of the radar cross section for the TRX-11 target (Ref 2).

The original TPT-5A infrared target is radar cross section enhanced in the forward direction by a cluster of corner reflectors. This cluster can be thought of as three orthogonal flat discs of metal, meeting at their common centres, resulting in eight corner reflectors equally spaced over the surface of a sphere. Each of the corner reflectors has a theoretical radar cross section at 10 GHz of 3.5 dBm^2 . The cluster of corner reflectors are mounted so that the common axis of a pair of discs coincides with the tow's axis and so that one of the discs is in the vertical plane.

Both targets have plastic bodies and have mounted in them the metal spool and brake system for the tow wire. The TPT-5A target has in place of the rear hemispherical reflector the infrared enhancing propane plume generator. Six fins are mounted on both tows oriented so that a pair of fins are horizontal in level flight. The tows have a number of axes of symmetry so that measurements at 60 degree intervals about the major axis repeat themselves if the dominant sources of reflection are the fins and the corner reflector

or Luneburg lens. This is not strictly true since the plastic body and contents of the tow, the tow wire spool and plume generator, will contribute to the reflections. It was, however, considered sufficient to perform measurements at tow roll angles, being 0 degrees and 90 degrees. Measurements were made for three different polarisation orientations, namely vertical-vertical (vv), horizontal-horizontal (hh), i.e. co-polarised for vertical and horizontal polarisation, and vertical-horizontal (vh), i.e. cross polarised, at bistatic angles (the angle of illuminator-target-receiver) of 0, 10, 20 and 30 degrees for both targets. Additional co-polarised measurements were made for the TRX-11 at bistatic angles of 5 degrees and 15 degrees. These measurements were made at a single frequency, namely 10 GHz.

The target was mounted on a turntable with its major axis horizontal and the turntable was rotated about the vertical axis. The transmitting and receiving aerials were separated on the circumference of a large radius circle to subtend the chosen bistatic angle. Zero degrees roll corresponds to the normal orientation of the tow with the tow wire emerging through the tow's top surface. The vv measurements with the roll angle of zero corresponds to an azimuth plot of radar cross section and the hh measurements with a roll angle of 90 degrees corresponds to a vertically polarised elevation plot.

It should be noted that the angle scale used in the plots and elsewhere are relative to the tow axis, the major axis of the target. The bisector of the bistatic angle, the direction about which the plots would be expected to be symmetrical, is at an angle of minus half of the bistatic angle.

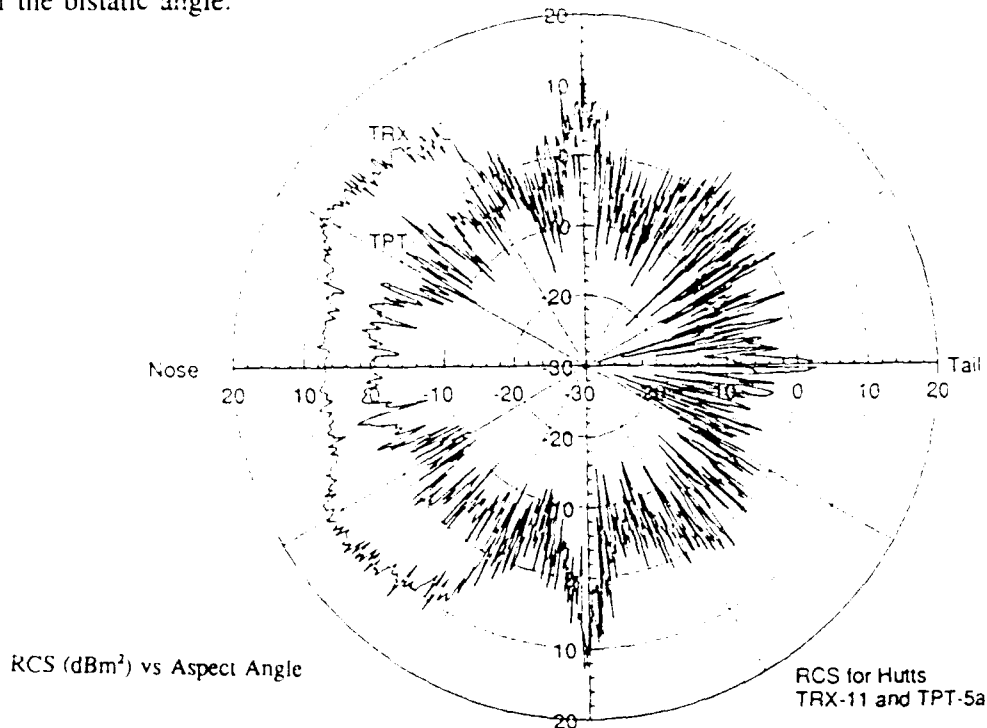


Figure 2. The RCS of the TRX-11 and TPT-5A for the monostatic case.
(Azimuth plot with roll angle zero)

Figure 2 shows the RCS for both the TRX-11 and TPT-5A for the monostatic case. The data for these plots has also been processed to give the mean, the standard deviation and

the maximum and minimum RCS over 20 degree angular intervals and also for the full ± 60 degrees (Tables 1 - 2). The mean radar cross section for 20 degree intervals has been plotted against the bistatic angle in figures 3 and 4.

The measured monostatic radar cross sections of both the TPT-5A and the TRX-11 targets are both somewhat lower than their theoretical values. In the case of the TRX-11 this is due to the lens being designed to increase the angular coverage which also causes the maxima to occur off axis.

The results demonstrate that the TRX-11 has a significantly greater radar cross section than the original TPT-5A and that the radar cross section is reduced by increasing the bistatic angle. Appendix II shows the plots of the cross polarised radar cross sections of both target types at bistatic angles of zero to 30 degrees. If the cross polarised return from the target is significantly larger than the co-polarised return then this can cause a "Cross Polarised Doublet". This is a gradual movement of the apparent target position in one direction followed by a sudden change in apparent target position in the opposite direction with a final gradual return to the real position. A Cross Polarised Doublet can cause a significant miss distance if it occurs in the last few moments of an engagement. The target illumination from the aircraft is vertically polarised but if the aircraft or missile rolls a component of horizontal, cross polarisation is produced. It is clear that a Cross Polarised Doublet is likely to be produced if the co- and cross polarised radar cross sections are comparable. This situation occurs for the TPT-5A at large aspect angles and/or large bistatic angles but in the case of the TRX-11 only for a combination of large bistatic angles and large aspect angles.

TPT-5A Monostatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 \pm 10	-3.73	2.63	-11.10	2.80
-40 \pm 10	-5.06	3.83	-12.60	3.80
-20 \pm 10	-2.91	3.62	-11.60	2.00
0 \pm 10	0.24	1.35	-3.60	2.20
20 \pm 10	-2.98	3.77	-11.20	3.50
40 \pm 10	-4.50	3.61	-11.70	1.30
60 \pm 10	-4.91	2.93	-11.50	0.60
0 \pm 60	-3.29	3.72	-12.60	3.80

Table 1a. Summary of the RCS data for the TPT-5A for the monostatic case.

TPT-5A 10 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-5.09	3.36	-15.20	2.60
-40 +\10	-5.60	3.49	-14.10	1.60
-20 +\10	-4.88	2.99	-14.00	-0.70
0 +\10	-3.35	1.78	-10.60	-1.20
20 +\10	-6.87	.06	-12.60	-1.70
40 +\10	-5.62	3.18	-12.90	0.30
60 +\10	-6.31	3.23	-16.60	0.10
0 +\60	-5.25	3.12	-15.20	1.60

Table 1b. Summary of the RCS data for the TPT-5A for the 10 degrees bistatic case.

TPT-5A 20 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-7.29	3.78	-15.80	2.50
-40 +\10	-10.27	4.65	-21.50	-1.40
-20 +\10	-16.07	4.92	-25.50	-7.40
0 +\10	-14.49	4.27	-24.60	-7.30
20 +\10	-10.63	3.80	-21.50	-1.30
40 +\10	-8.33	3.67	-15.10	-0.60
60 +\10	-6.69	4.06	-18.40	-0.40
0 +\60	-11.36	5.21	-25.50	-0.60

Table 1c. Summary of the RCS data for the TPT-5A for the 20 degrees bistatic case.

TPT-5A 30 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 \pm 10	-11.21	4.66	-21.60	-2.80
-40 \pm 10	-16.84	6.61	-28.60	-5.70
-20 \pm 10	-18.90	5.69	-29.00	-9.40
0 \pm 10	-17.69	4.89	-28.00	-10.00
20 \pm 10	-13.79	4.71	-24.40	-5.20
40 \pm 10	-12.56	5.53	-28.10	-4.10
60 \pm 10	-8.62	4.46	-20.00	-0.10
0 \pm 60	-15.01	6.14	-29.00	-1.50

Table 1d. Summary of the RCS data for the TPT-5A for the 30 degrees bistatic case.

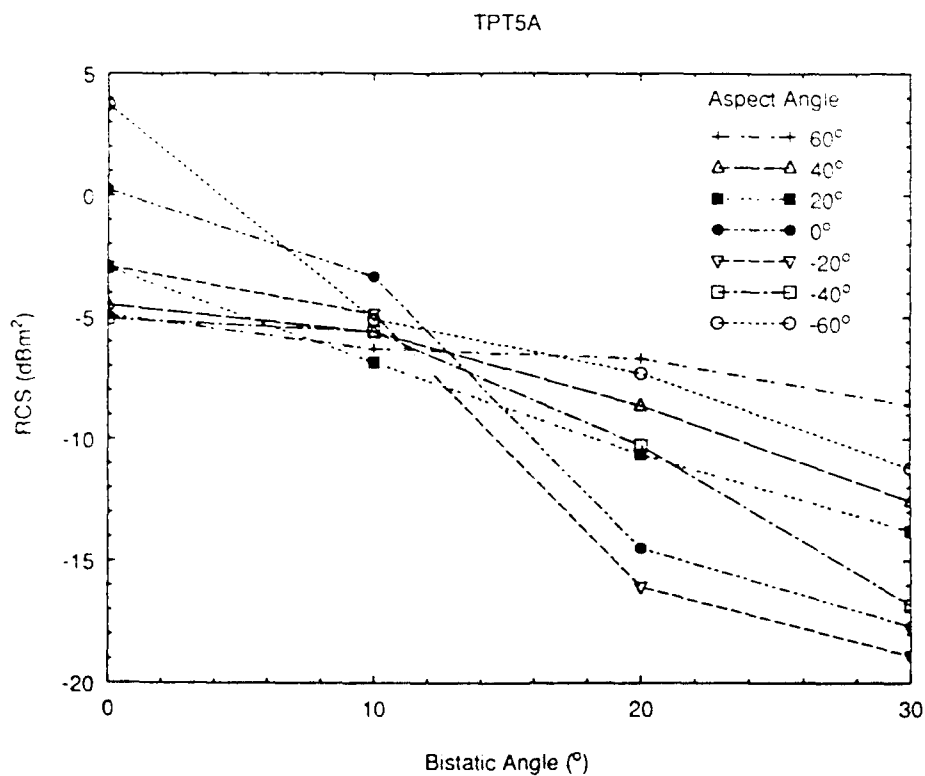


Figure 3. A plot of the average RCS for the TPT-5A over a 20 degree arc centred on the given aspect angles against increasing bistatic angle.

TRX-11 Monostatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	4.19	4.81	-4.80	10.90
-40 +\10	11.20	1.21	8.30	13.10
-20 +\10	8.85	2.03	5.60	13.20
0 +\10	7.19	0.44	6.20	8.40
20 +\10	8.78	1.85	5.40	12.30
40 +\10	11.26	1.45	6.80	13.50
60 +\10	3.59	5.62	-7.80	11.80
0 +\60	9.25	2.13	4.60	13.50

Table 2a. Summary of the RCS data for the TRX-11 for the monostatic case.

TRX-11 5 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	4.06	3.85	-5.10	9.10
-40 +\10	6.87	1.12	4.60	8.80
-20 +\10	7.67	0.50	6.00	8.50
0 +\10	7.23	0.44	6.60	8.20
20 +\10	7.45	0.87	4.20	8.70
40 +\10	6.82	1.22	4.20	9.00
60 +\10	0.40	5.09	-8.70	7.10
0 +\60	6.95	1.90	-1.00	9.10

Table 2b. Summary of the RCS data for the TRX-11 for the 5 degrees bistatic case.

TRX-11 10 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +/-10	-1.77	3.32	-7.50	3.80
-40 +/-10	-5.53	4.48	-16.10	2.90
-20 +/-10	-2.28	0.38	-13.90	1.90
0 +/-10	0.83	0.69	-1.00	1.90
20 +/-10	-6.32	5.15	-17.30	2.00
40 +/-10	-1.60	3.97	-10.30	3.90
60 +/-10	-3.14	4.14	-12.30	4.10
0 +/-60	-2.80	4.52	-17.30	4.10

Table 2c. Summary of the RCS data for the TRX-11 for the 10 degrees bistatic case.

TRX-11 15 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +/-10	-8.83	4.48	-21.70	0.60
-40 +/-10	-10.46	5.82	-24.50	1.70
-20 +/-10	-3.40	1.73	-12.60	-1.70
0 +/-10	-4.12	1.19	-7.50	-2.10
20 +/-10	-11.10	5.61	-23.70	-3.30
40 +/-10	-9.04	5.01	-20.60	-0.50
60 +/-10	-8.33	3.91	-16.30	-1.00
0 +/-60	-7.87	5.31	-24.50	1.70

Table 2d. Summary of the RCS data for the TRX-11 for the 15 degrees bistatic case.

TRX-11 20 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-8.38	3.72	-15.50	2.10
-40 +\10	-6.19	3.19	-14.10	-0.80
-20 +\10	-11.30	1.94	-14.80	-6.50
0 +\10	-9.69	2.84	-13.80	-2.20
20 +\10	-5.95	3.22	-13.80	-0.60
40 +\10	-8.25	4.65	-18.80	1.80
60 +\10	-7.23	4.04	-18.10	0.50
0 +\60	-8.31	3.92	-18.80	2.10

Table 2e. Summary of the RCS data for the TRX-11 for the 20 degrees bistatic case.

TRX-11 30 degree Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-9.98	4.72	-20.10	-2.30
-40 +\10	-12.72	4.83	-21.50	-2.50
-20 +\10	-6.88	4.72	-20.00	-1.80
0 +\10	-10.97	3.33	-18.60	-5.20
20 +\10	-9.24	3.70	-16.20	-1.80
40 +\10	-11.21	4.28	-20.00	-1.90
60 +\10	-6.57	5.17	-17.90	4.60
0 +\60	-9.97	4.66	-21.50	0.10

Table 2f. Summary of the RCS data for the TRX-11 for the 30 degrees bistatic case.

TRX11

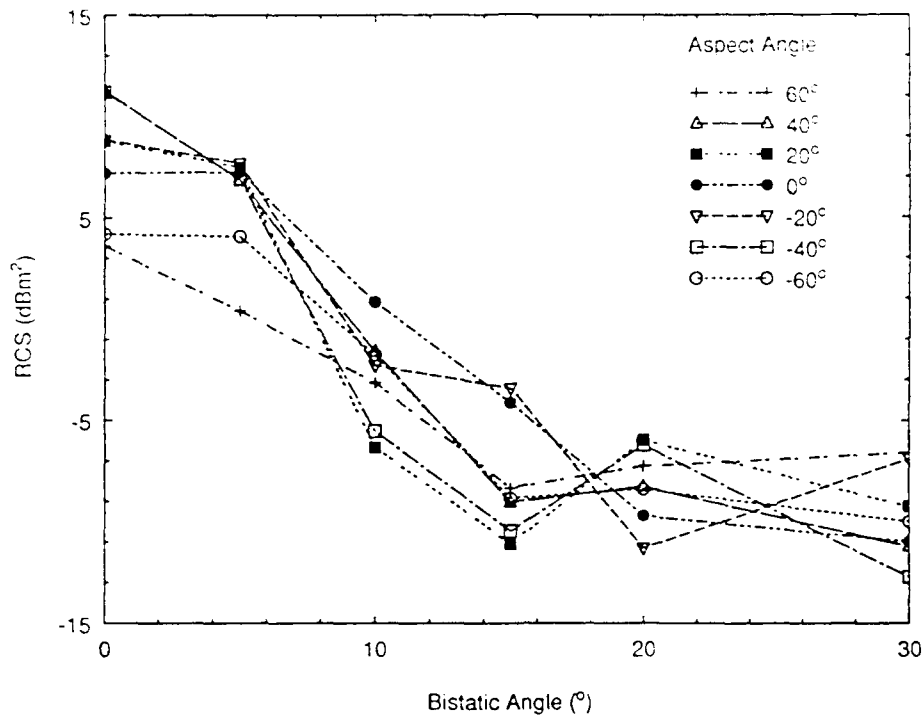


Figure 4. A plot of the average RCS for the TRX-11 over a 20 degree arc centred on the given aspect angles against increasing bistatic angle.

4. THE MODIFIED HUTTS TPT-5L ENHANCED TARGET

The main difference between the TPT-5A and the TRX-11 targets for use against a semiactive radar homing (SARH) missile is the different methods used to enhance the radar cross section. It has also been demonstrated that the major contribution to the radar cross section in the forward direction of the TRX-11 target is the Luneburg lens carried under the nose cone. Thus the hypothesis that replacing the cluster of corner reflectors with a Luneburg lens in the TPT-5A target will result in enhancing the radar cross section of the target while not effecting the designed infrared enhanced target role. This target has been referred to as TPT-5L.

To test the hypothesis the radar cross section of a TPT-5L was measured. The TPT-5L was made by taking the nose assembly (radar enhancer and nose cone) from the TRX-11 and mating it to the TPT-5A target, both of which were available at DSTO Salisbury. These measurements used the same experimental arrangements as for the original radar cross section measurements of the TPT-5A and TRX-11 working at 10 GHz. Data was taken for vertical-vertical (vv) polarisation for target roll angles of 0, 30, 60 and 90 degrees, and for horizontal-horizontal (hh) polarisation for the target roll angle of 90 degrees. This was repeated for bistatic angles of 0, 5, 10, 15, 20, 25 and 30 degrees (Plots of RCS in Appendix I).

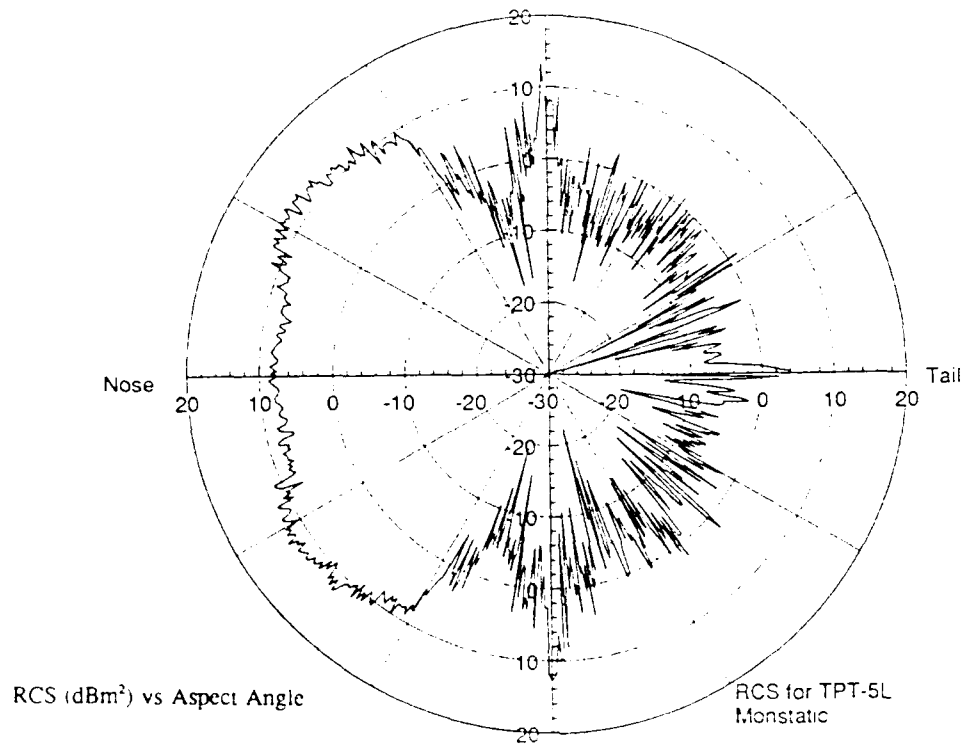


Figure 5. The RCS for the TPT-5L for the monostatic case.
(Azimuth plot with roll angle zero)

Analysis of these results show a marked similarity in the radar cross section in the forward direction between the Hutts TRX-11 and the radar enhanced TPT-5L. This confirms the original hypothesis the Luneburg lens dominates the radar cross section of the TRX-11 target, a summary of the data is given in Table 3 and in figures 5 and 6.

TPT-5L Monostatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	4.70	5.12	-4.60	11.40
-40 +\10	11.40	0.99	9.60	13.10
-20 +\10	9.21	1.81	6.30	12.70
0 +\10	7.71	0.47	6.70	8.70
20 +\10	8.91	1.67	6.20	12.20
40 +\10	11.54	1.00	8.90	13.10
60 +\10	4.11	5.42	-10.50	11.10
0 +\60	9.56	1.87	4.60	13.10

Table 3a. Summary of the RCS data for the TPT-5L for the monostatic case.

TPT-5L 5 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	3.04	4.27	-7.7	7.9
-40 +\10	6.24	1.10	3.0	8.0
-20 +\10	7.08	0.62	5.5	8.1
0 +\10	6.95	0.91	6.5	7.5
20 +\10	7.17	0.85	4.9	8.6
40 +\10	6.81	1.19	4.2	9.0
60 +\10	-0.07	6.18	-13.5	8.3
0 +\60	6.56	1.51	-4.7	9.0

Table 3b. Summary of the RCS data for the TPT-5L for the 5 degrees bistatic case.

TPT-5L 10 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-4.26	3.63	-13.4	1.8
-40 +\10	-11.37	5.11	-20.1	-1.3
-20 +\10	-5.03	4.15	-16.8	0.0
0 +\10	-0.15	0.93	-2.5	1.4
20 +\10	-8.33	4.70	-21.3	-1.3
40 +\10	-7.58	4.54	-19.1	-0.1
60 +\10	-5.88	4.22	-15.6	1.9
0 +\60	-6.20	5.39	-21.3	1.9

Table 3c. Summary of the RCS data for the TPT-5L for the 10 degrees bistatic case.

TPT-5L 15 degrees Bistatic with 30 degree roll				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +\10	-8.03	3.76	-17.3	-1.2
-40 +\10	-10.25	4.99	-24.8	-1.6
-20 +\10	-3.20	2.50	-12.2	-0.6
0 +\10	-2.99	1.29	-5.5	-0.1
20 +\10	-9.75	4.52	-17.2	-1.2
40 +\10	-9.11	3.74	-19.7	-1.7
60 +\10	-7.55	3.82	-19.7	0.2
0 +\60	-7.21	4.74	-24.8	-0.4

Table 3d. Summary of the RCS data for the TPT-5L for the 15 degrees bistatic case.

TPT-5L 20 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +/-10	-8.19	3.48	-17.4	0.3
-40 +/-10	-8.31	4.49	-20.2	-0.2
-20 +/-10	-11.56	0.04	-22.1	-4.4
0 +/-10	-10.36	3.04	-17.7	-4.3
20 +/-10	-6.27	3.64	-14.2	1.1
40 +/-10	-9.94	3.92	-20.5	-3.8
60 +/-10	-7.33	4.21	-17.8	3.4
0 +/-60	-9.12	4.06	-22.1	1.1

Table 3e. Summary of the RCS data for the TPT-5L for the 20 degrees bistatic case.

TPT-5L 25 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 +/-10	-11.65	4.70	-21.5	-4.2
-40 +/-10	-12.48	4.79	-24.6	-1.6
-20 +/-10	-11.09	4.21	-25.1	-5.4
0 +/-10	-13.15	5.40	-30.0	-7.0
20 +/-10	-13.22	4.51	-23.6	-5.0
40 +/-10	-11.87	4.65	-24.2	-3.5
60 +/-10	-6.71	4.59	-15.9	3.4
0 +/-60	-11.76	4.96	-30.0	-0.5

Table 3f. Summary of the RCS data for the TPT-5L for the 25 degrees bistatic case.

TPT-5L 30 degrees Bistatic				
Aspect Angle (degrees)	Mean RCS dBm ²	Standard Deviation RCS dBm ²	Minimum RCS dBm ²	Maximum RCS dBm ²
-60 \pm 10	-11.16	3.97	-20.4	-3.3
-40 \pm 10	-12.61	5.33	-27.1	-3.8
-20 \pm 10	-8.52	5.95	-28.3	-0.4
0 \pm 10	-11.31	4.11	-22.7	-6.0
20 \pm 10	-10.66	3.69	-19.0	-4.0
40 \pm 10	-12.12	5.89	-27.6	-1.7
60 \pm 10	-6.46	4.11	-14.8	3.6
0 \pm 60	-10.79	5.17	-28.3	3.2

Table 3g. Summary of the RCS data for the TPT-5L for the 30 degrees bistatic case.

TPT5L

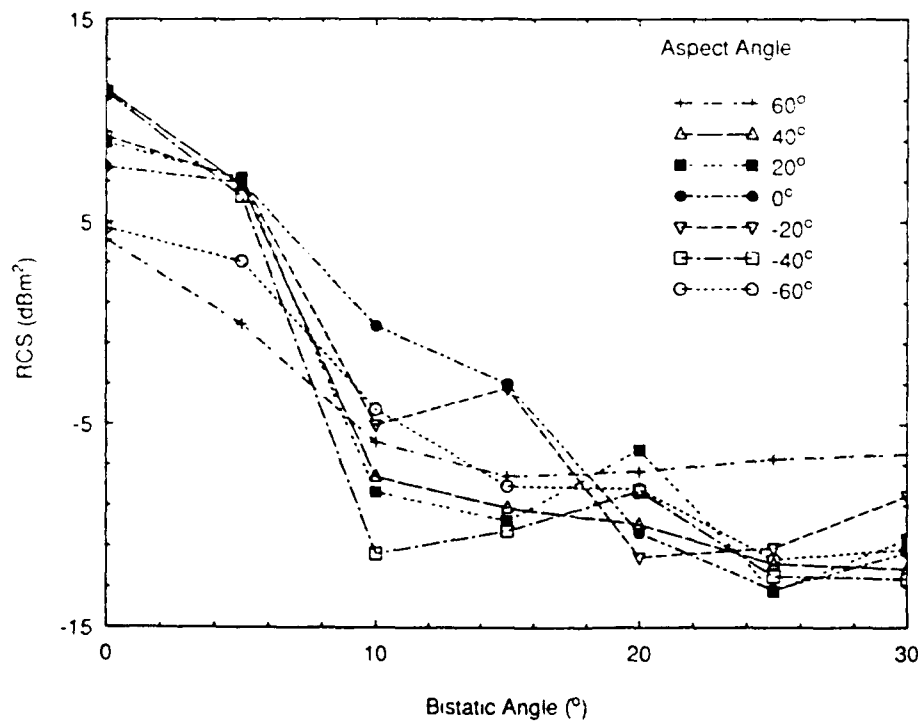


Figure 6. A plot of the average RCS for the TPT-5L over a 20 degree arc centred on the given aspect angles against increasing bistatic angle.

5. COMPUTER SIMULATION OF TRIAL ENGAGEMENTS

Computer simulation can be used to model engagements between a semi-active radar homing missile and a training target. Such a model requires a RCS value for the target for a given aspect angle and bistatic angle combination.

The radar cross sections for the TPT-5A, TPT-5L and TRX-11 training targets were measured for aspect angles -179.5 to 179.5 degrees in 0.5 degree steps and for the following bistatic angles. For the TPT-5A target $0, 10, 20$ and 30 degrees, for the TPT-5L $0.5, 10, 15, 20, 25$ and 30 degrees and for the TRX-11 $0.5, 10, 15, 20$ and 30 degrees. As it is not practical to obtain RCS values of all bistatic angles by measurement interpolation of the data was carried out to produce RCS values for bistatic angles in one degree steps. Some time after RCS measurements were taken for each target it became apparent that RCS values up to a bistatic angle of 40 degrees may be required in simulated engagements, hence the data was extrapolated.

The measured RCS data was input to a computer program which produced output including EasyPlot macro statements. EasyPlot [3], a scientific plotting and data analysis computer package, was then used in batch mode to produce a natural cubic spline fit of the bistatic angle vs. RCS data for each given aspect angle.

Each set of cubic spline data was saved on a file and used as input to another computer program which extrapolated the data and produced a look-up table of RCS values for bistatic angles 0 to 39 degrees and aspect angles -179.5 to 179.5 degrees for each training target. Some examples of the cubic spline and extrapolated data for the TPT-5A target are given in figure 7 below. The look-up tables of RCS values for the three targets are reproduced in appendix 3.

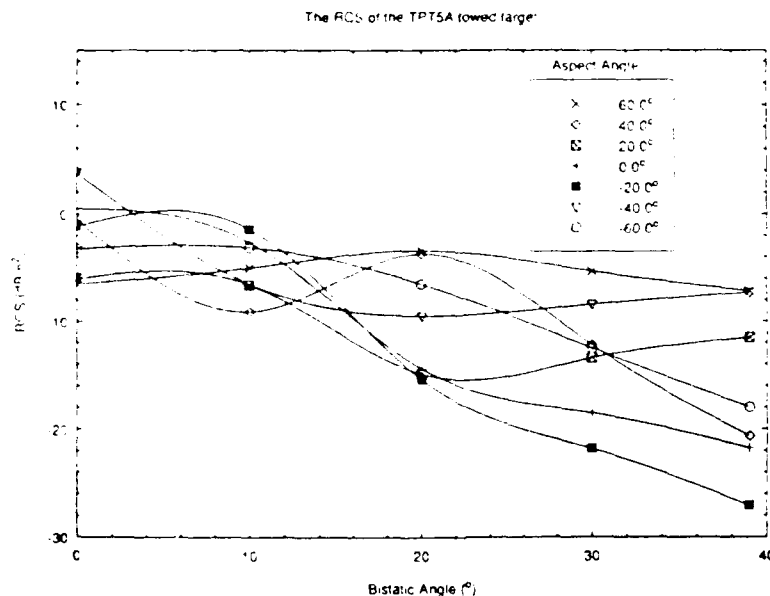


Figure 7. Cubic Spline fit of RCS data extrapolated to 39 degrees.

It should be noted that as the original RCS data is very spiky and bistatic angle measurements relatively sparse, caution should be used when extracting values from the look-up tables. In particular using the extrapolated data is risky. It is suggested therefore, that when extracting RCS values from these tables that a 2D five point weighted average calculation should be carried out. For example, consider element (i,j) of the table, calculate a weighted average as follows :

$$\{2(i,j) + \{(i-1,j)+(i+1,j)+(i,j-1)+(i,j+1)\}/4\}/3$$

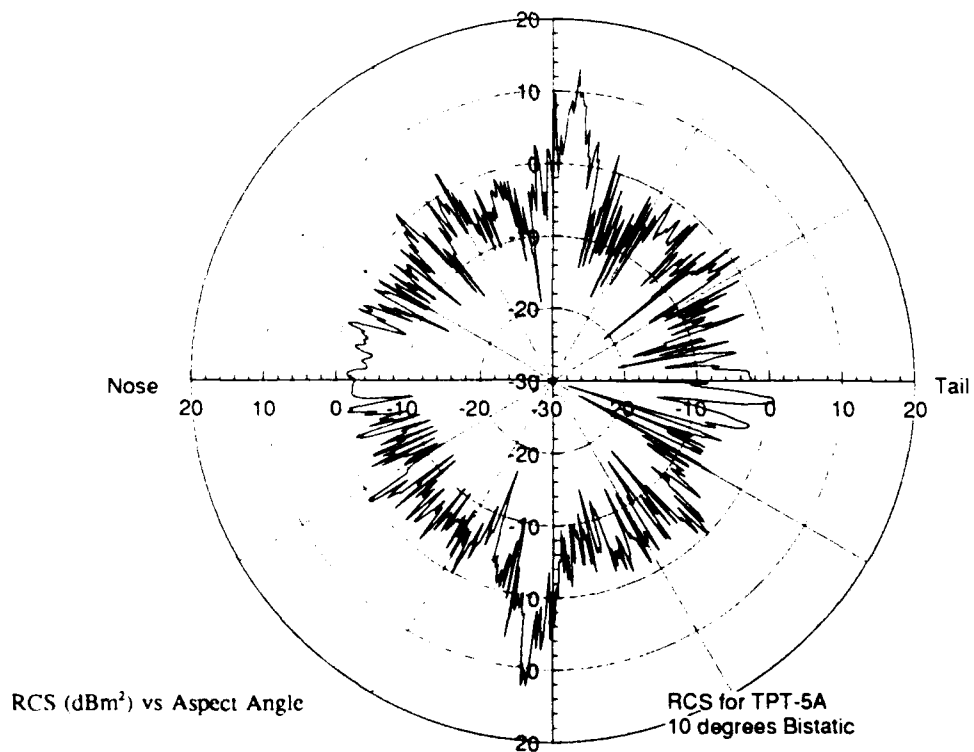
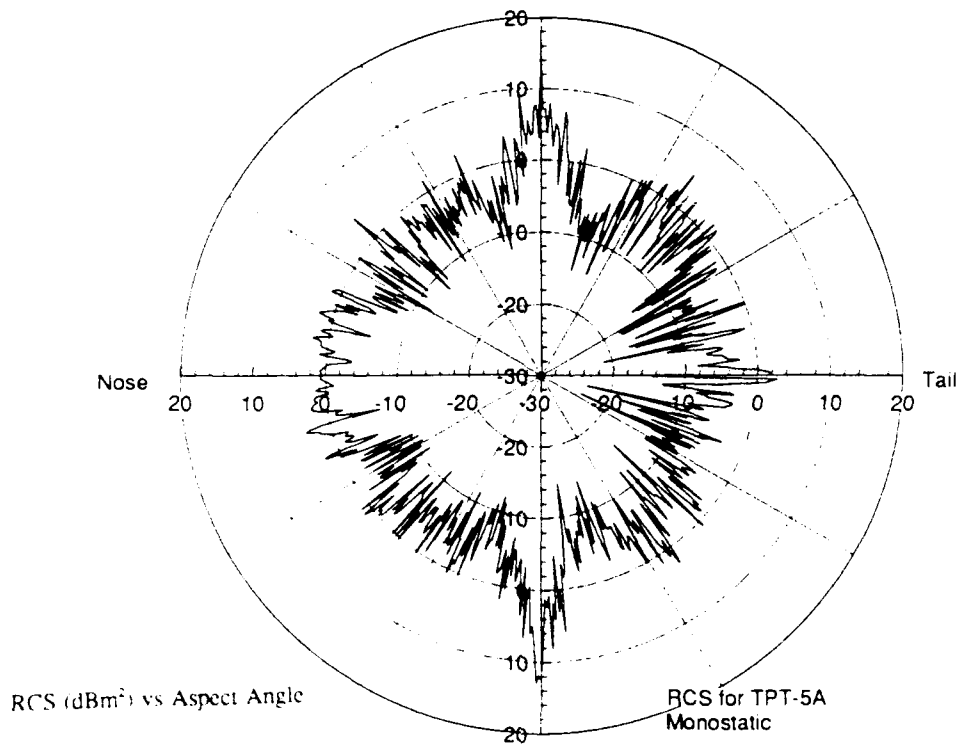
6. CONCLUSION

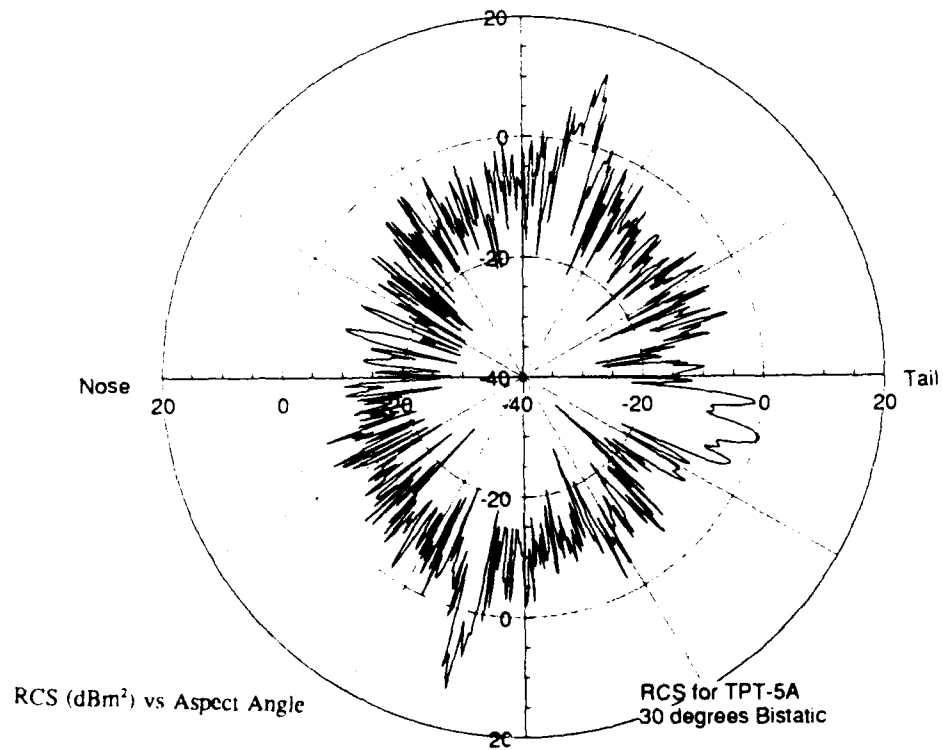
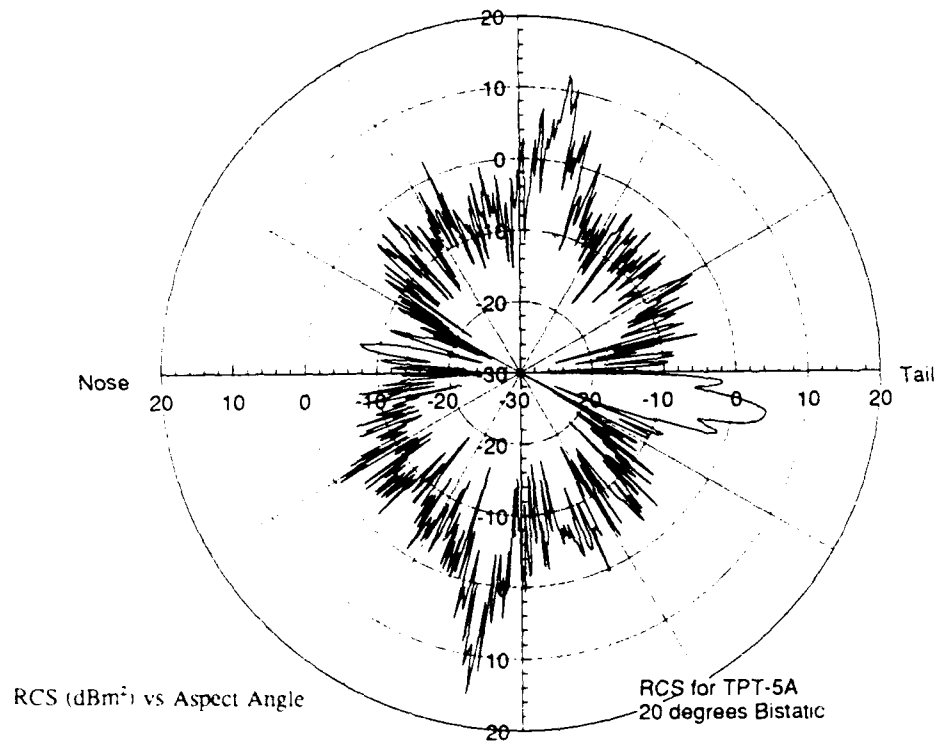
The lookup tables for bistatic RCS produced in this document from a limited set of measured data will be useful when modelling engagements between a semi-active homing missile and the Hayes training targets.

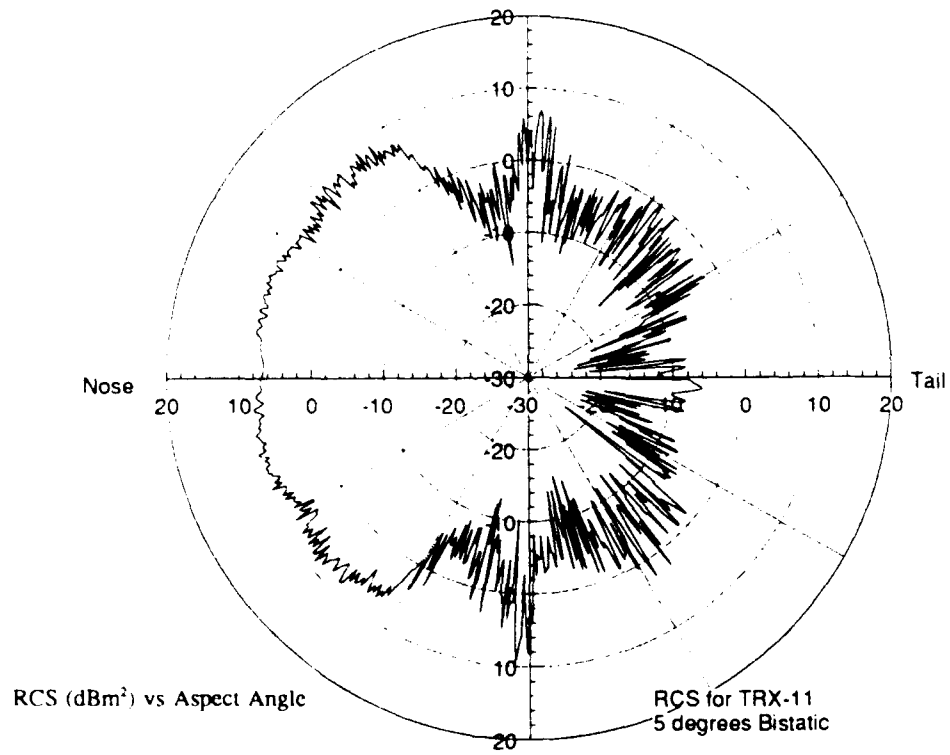
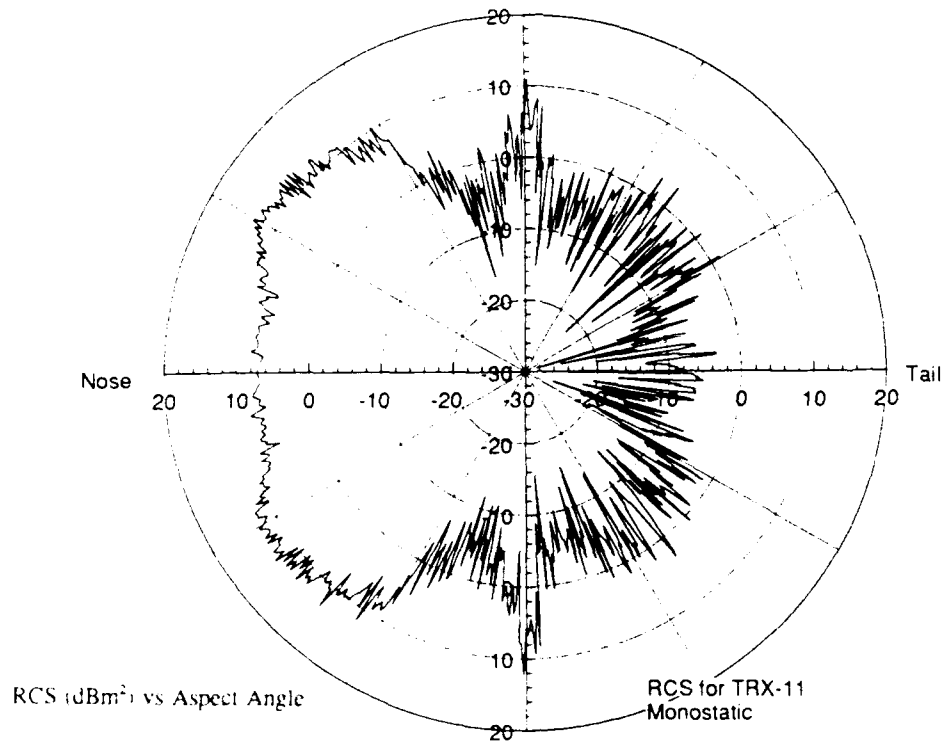
REFERENCES

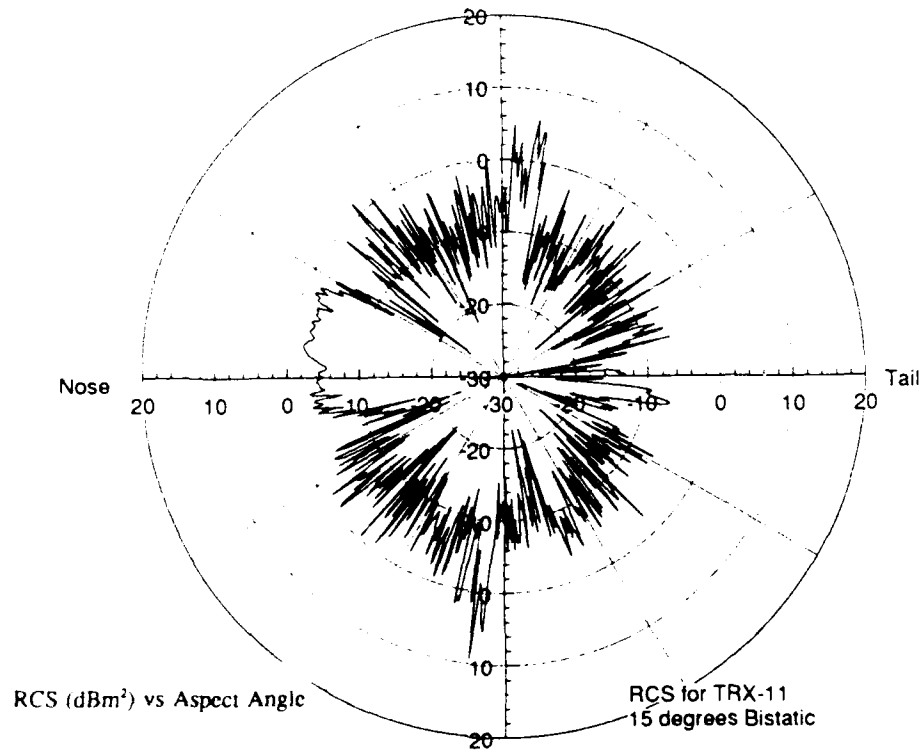
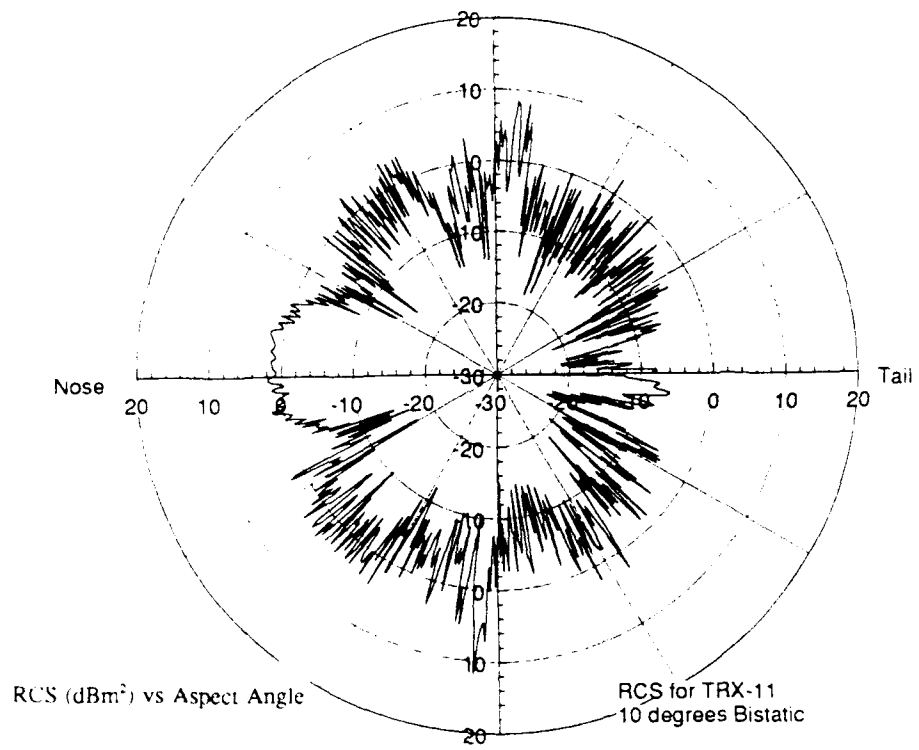
1. M.A. Lucas and R.C. Farmer "The use of AIM-7M Sparrow missiles against Hayes TRX-11, TPT-5A and TPT-5L towed targets."
ARL-GW-R-005
2. A.T. Tickner "Bistatic RCS of the Hayes TRX-11A and TPT-5A in support of Task Air 88/170"
MRD/SRL internal report, July 1990
3. S. Karon "EasyPlot, version II manual."
Spiral Software, Brookline, Massachusetts, 1991

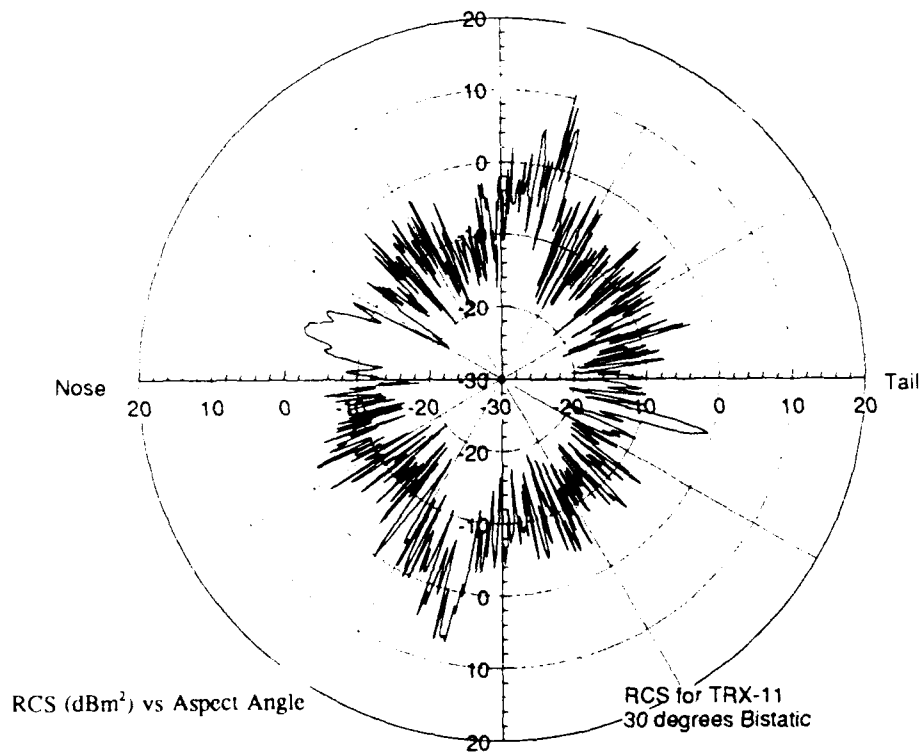
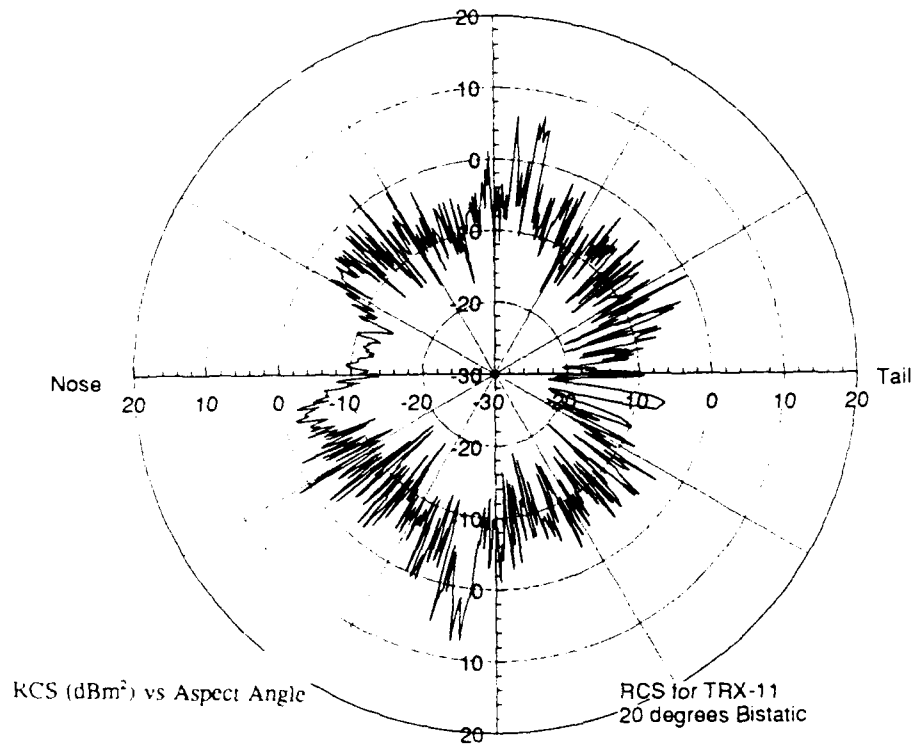
Appendix I
RADAR CROSS SECTIONS FOR TPT-5A, TRX-11 AND TPT-5L TARGETS
(Vertically Co-Polarised)

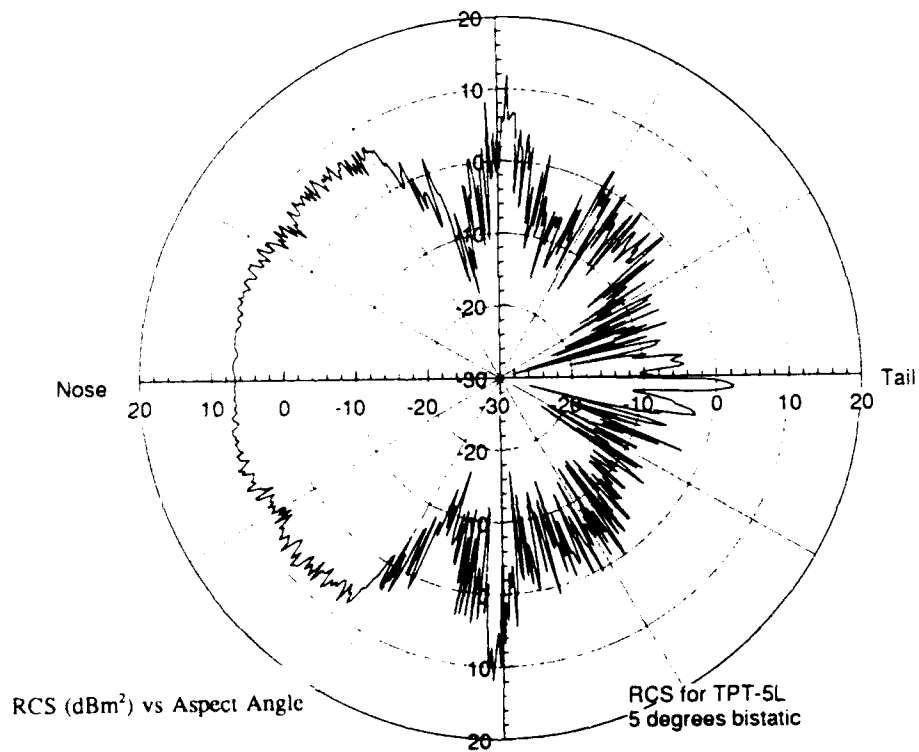
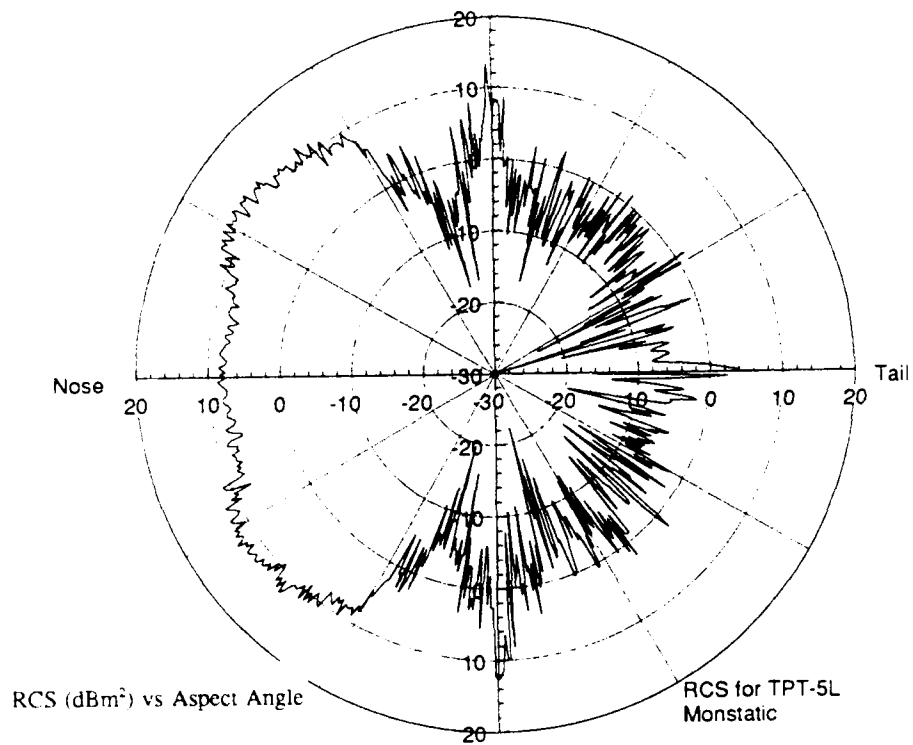


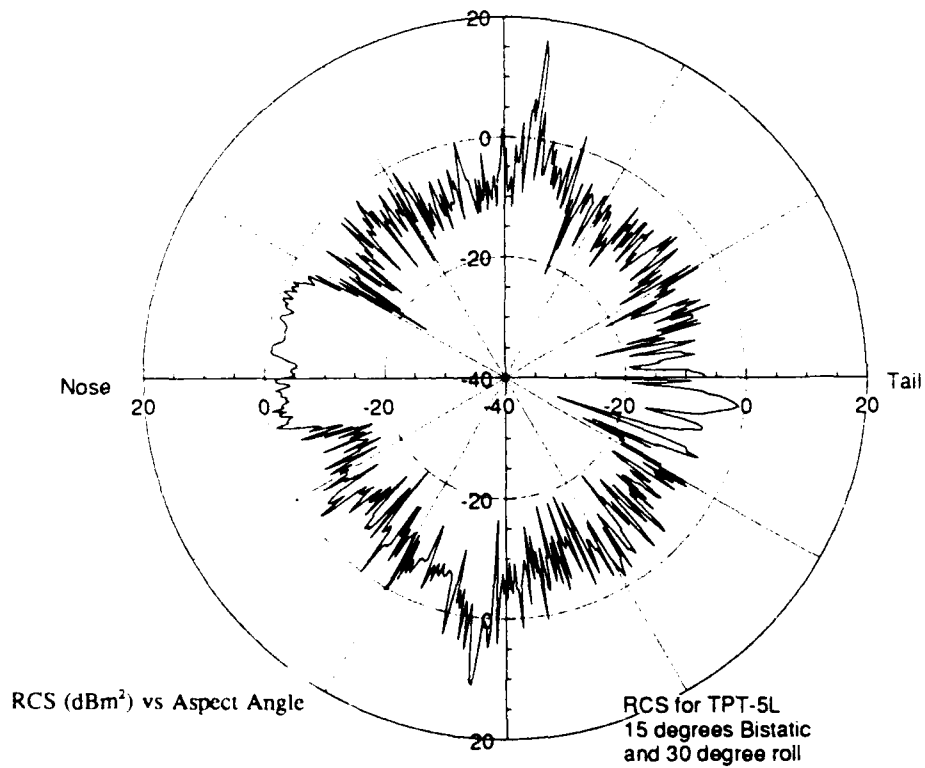
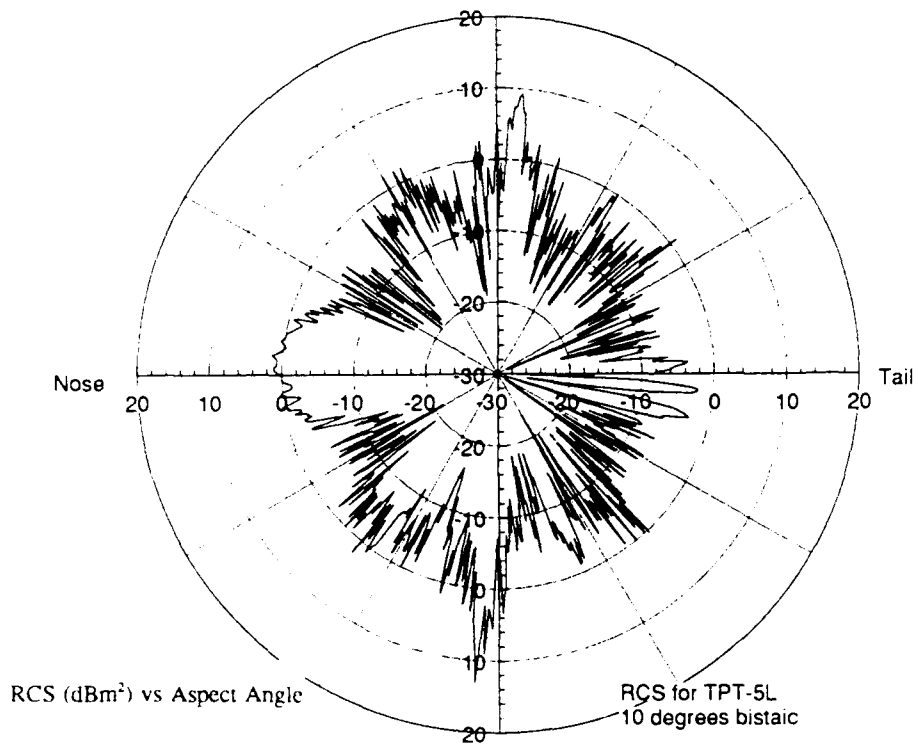




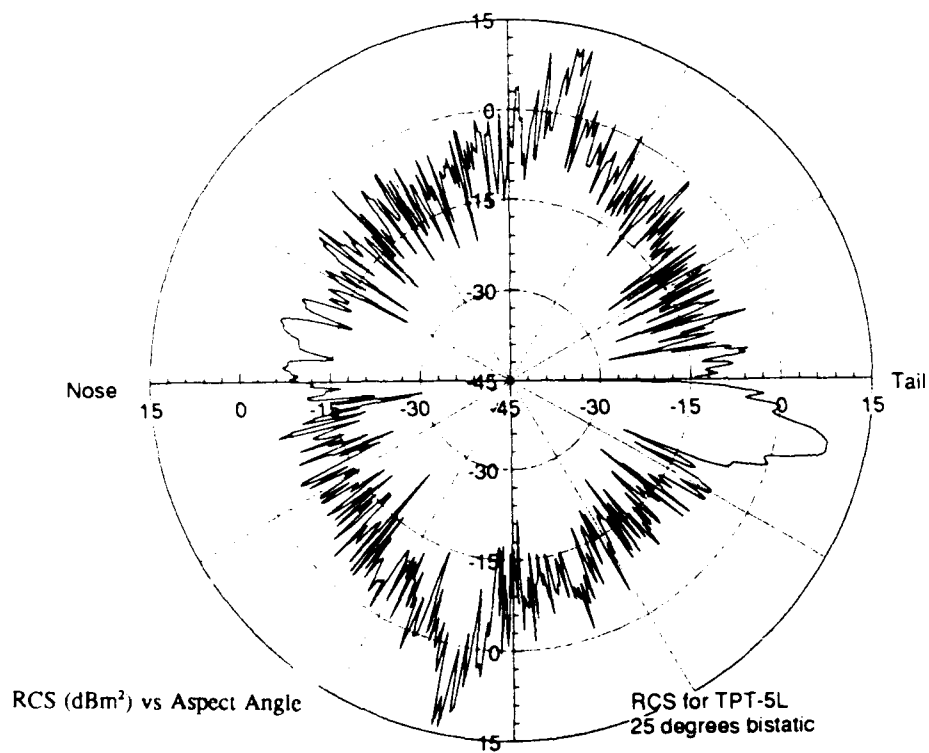
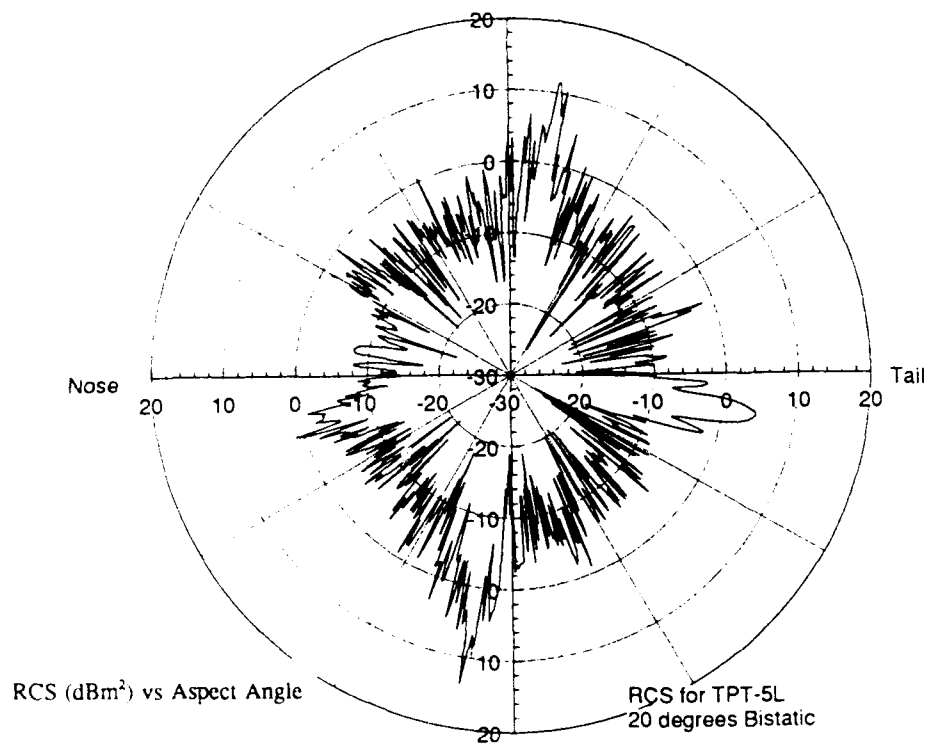


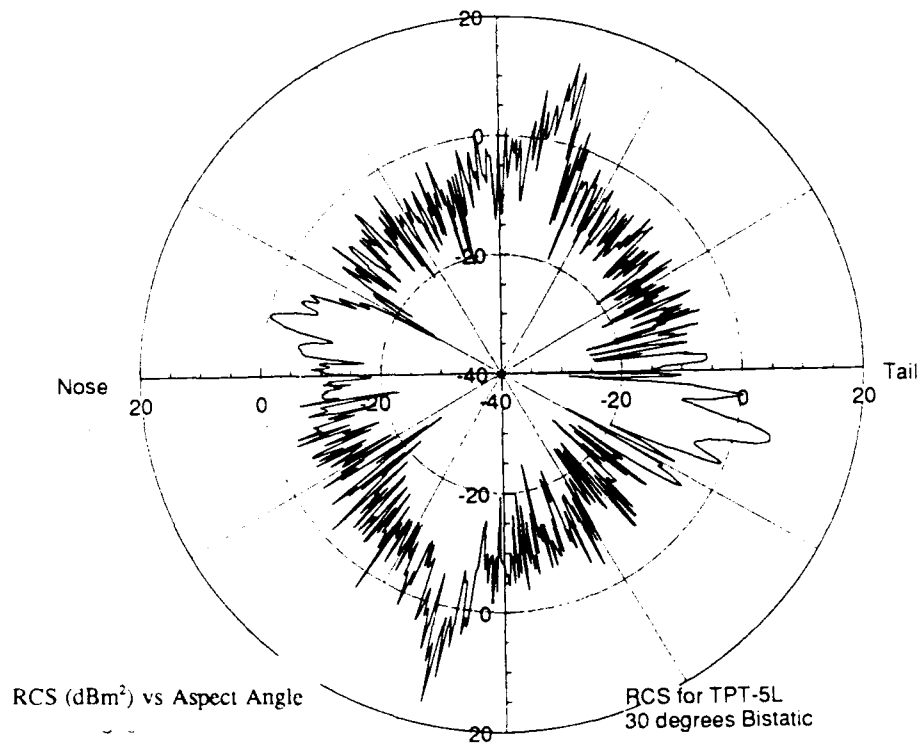




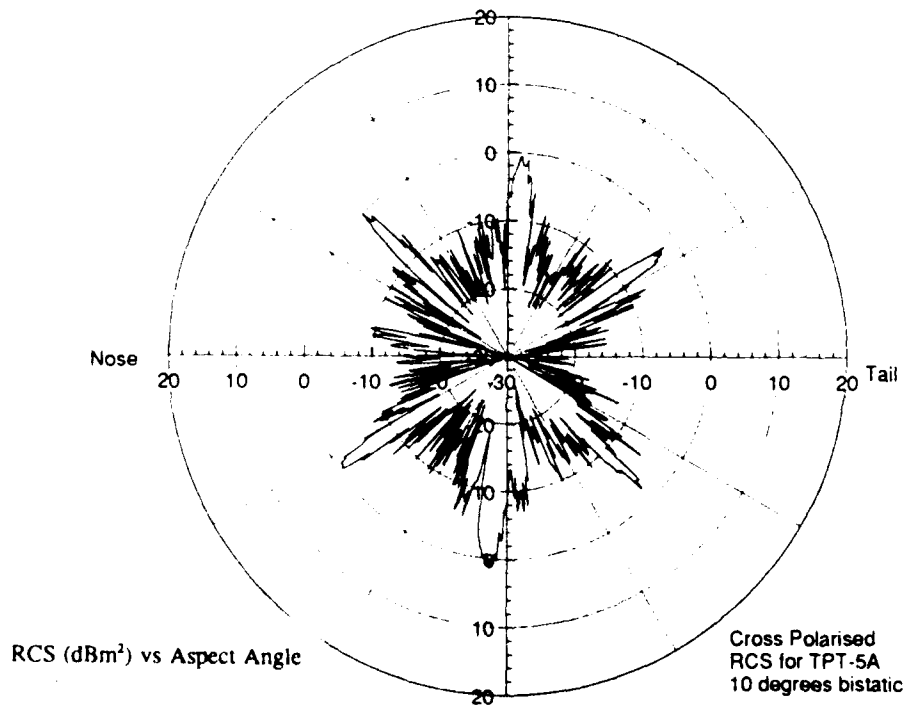
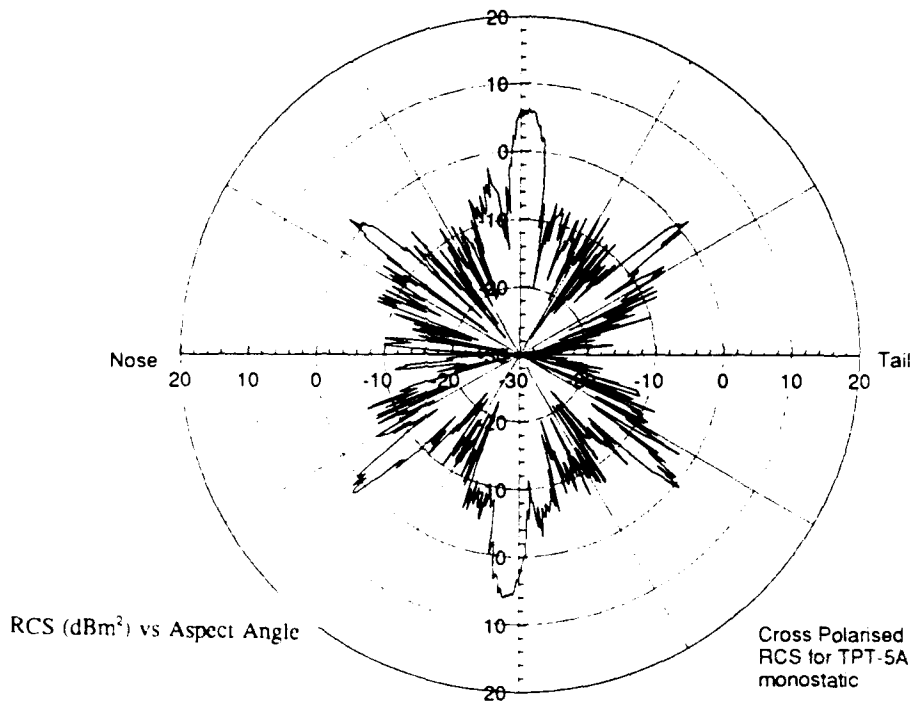


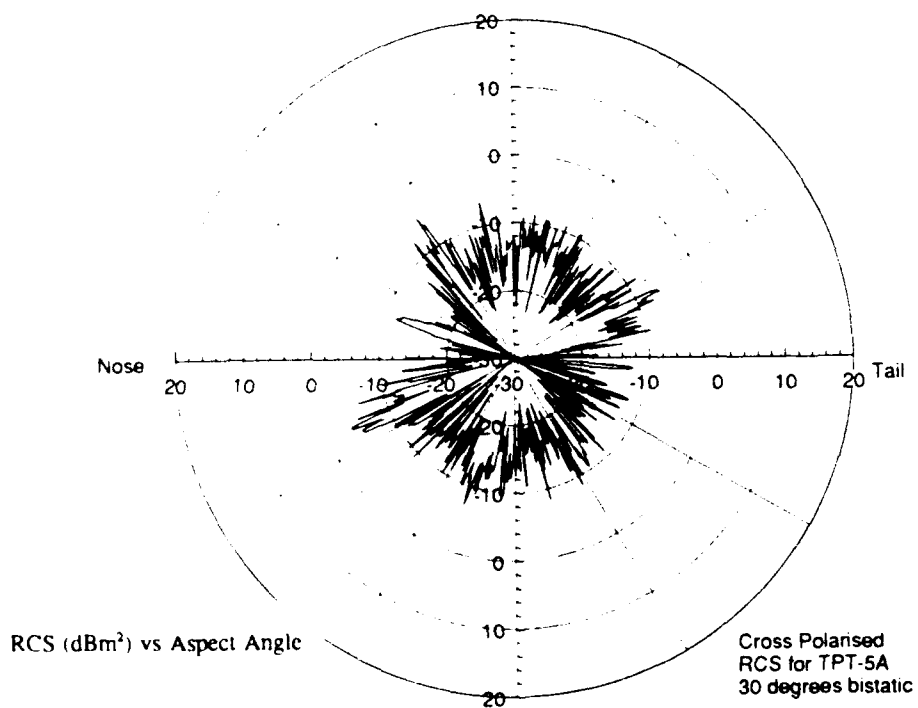
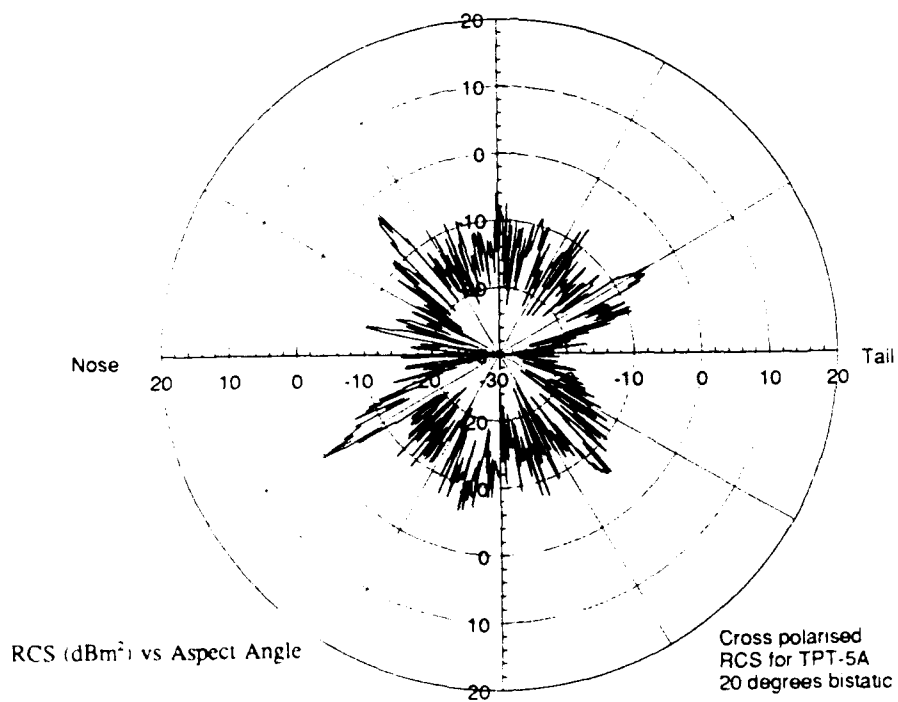
25

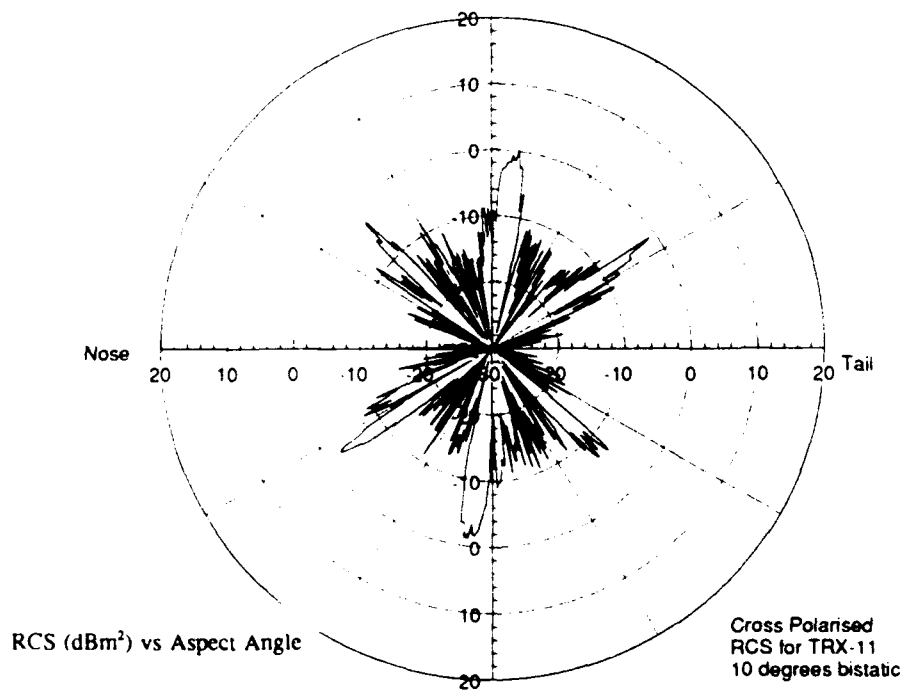
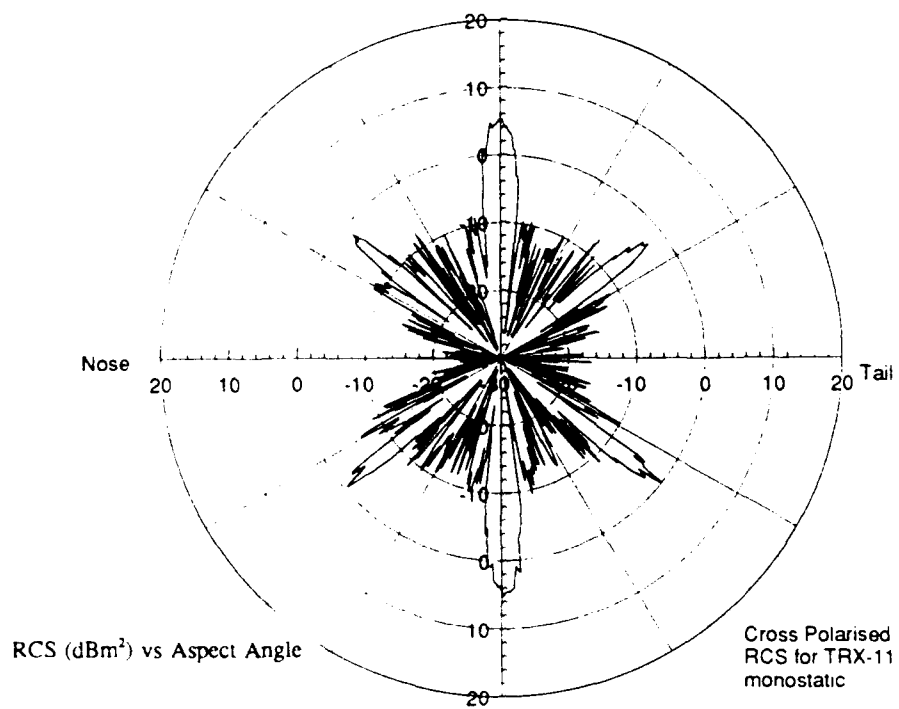




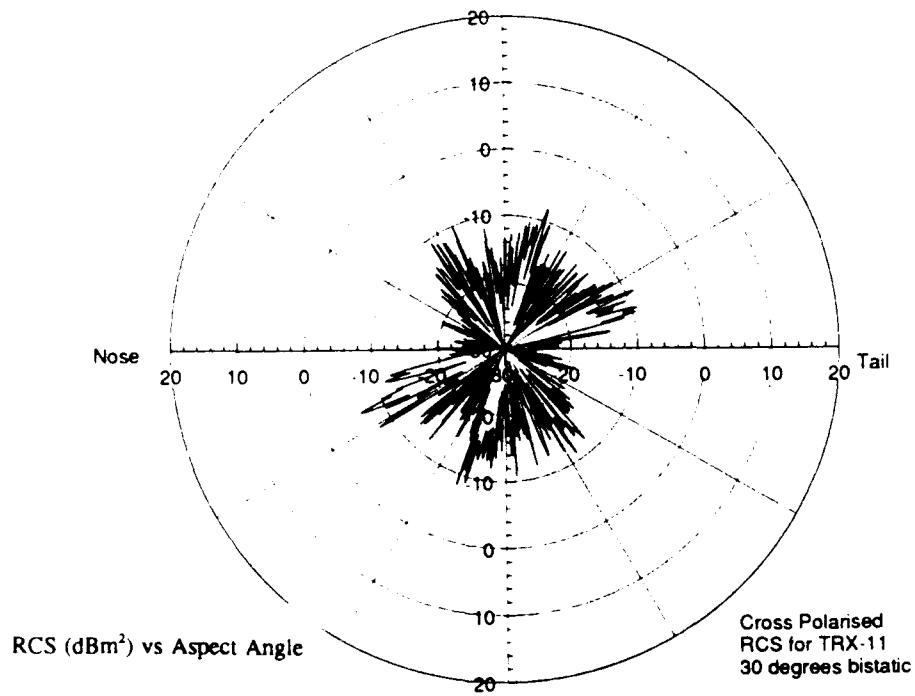
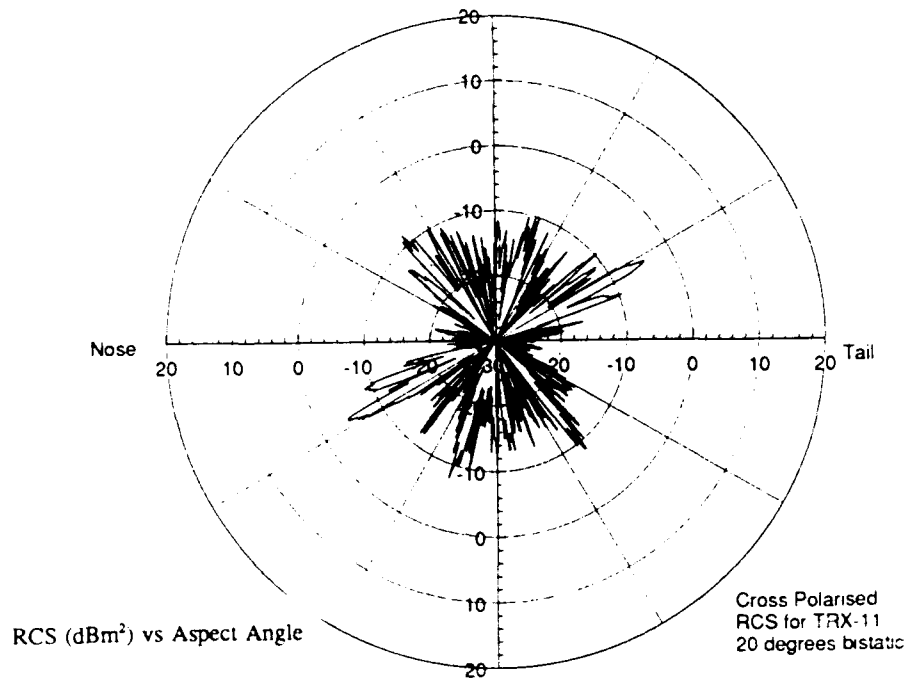
Appendix II
RADAR CROSS SECTION PLOTS FOR TPT-5A AND TRX-11 TARGETS
(cross polarised)







30



APPENDIX III

RADAR CROSS SECTION TABLES OF FITTED DATA FOR HAYES TARGETS

(Vertically Co-Polarised)

a. TPT-5A

b. TRX-11

c. TPT-5L

APPENDIX III a

TPT SA

ASPECT

ANGLE

DISTANCE ANGLE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-179.5	2.00	1.77	1.53	1.26	95	16	-35	-95	167	2.50	-3.46	4.52	5.66	6.84	-8.03	-9.21	-10.33	-11.37	12.31
-179.0	1.10	1.18	1.15	1.04	83	49	-01	-69	1.58	-2.70	-4.07	5.64	-7.35	9.14	10.94	12.69	-14.33	-15.81	17.05
-178.5	00	55	1.05	1.45	1.75	1.55	1.06	22	-1.02	2.70	-4.85	7.38	-10.17	-13.09	-16.04	-18.88	-21.51	-23.80	25.64
-178.0	3.00	-2.32	-1.67	-1.11	-67	-31	-47	-91	-1.68	-2.80	-4.30	-6.12	-8.15	-10.32	-12.52	-14.66	-16.67	-18.44	19.88
-177.5	4.20	-3.63	-3.09	-2.61	-2.20	-1.89	-1.68	-1.84	2.20	-2.80	-3.64	-4.68	-5.88	-7.17	-8.50	-9.82	-11.07	-12.21	-13.17
-177.0	6.00	-5.39	-4.80	-4.26	-3.77	-3.36	-2.86	-2.81	-2.91	-3.20	-3.68	-4.31	-5.07	-5.92	-6.82	-7.72	-8.60	-9.41	10.13
-176.5	8.30	-7.80	-7.30	-6.84	-6.41	-6.03	-5.71	-5.46	-5.31	-5.25	-5.47	-5.75	-6.11	-6.54	-7.02	-7.53	-8.05	-8.56	-9.05
-176.0	5.30	-5.50	-5.71	-5.91	-6.11	-6.31	-6.50	-6.68	-6.86	-7.04	-7.20	-7.36	-7.51	-7.67	-7.84	-8.02	-8.23	-8.46	8.73
-175.5	2.40	-2.84	-3.29	-3.75	-4.22	-4.72	-5.26	-5.82	-6.43	-7.09	-7.80	-8.57	-9.37	-10.20	-11.02	-11.81	-12.56	-13.25	-13.85
-175.0	4.00	-3.96	-3.94	-3.96	-4.03	-4.19	-4.44	-4.81	-5.31	-5.97	-6.80	-7.82	-8.98	-10.25	-11.58	-12.93	-14.24	-15.48	-16.60
-174.5	4.40	-4.85	-5.30	-5.74	-6.18	-6.60	-7.02	-7.42	-7.80	-8.16	-8.50	-8.82	-9.11	-9.39	-9.65	-9.91	-10.15	-10.39	10.62
-174.0	4.60	-6.06	-7.49	-8.86	-10.14	-11.29	-12.28	-13.09	-13.69	-14.03	-14.10	-13.87	-13.40	-12.74	-11.97	-11.14	-10.32	-9.57	8.96
-173.5	5.10	-6.51	-7.89	-9.22	-10.44	-11.55	-12.51	-13.28	-13.84	-14.16	-14.20	-13.95	-13.48	-12.83	-12.09	-11.33	-10.61	-10.01	9.60
-173.0	6.50	-6.89	-7.28	-7.65	-7.99	-8.29	-8.56	-8.77	-8.92	-9.00	-9.00	-8.92	-8.78	-8.61	-8.44	-8.30	-8.22	-8.21	8.58
-172.5	6.90	-7.19	-7.46	-7.72	-7.96	-8.15	-8.31	-8.41	-8.45	-8.41	-8.30	-8.11	-7.86	-7.60	-7.37	-7.20	-7.13	-7.19	7.41
-172.0	5.40	-5.40	-5.41	-5.45	-5.51	-5.62	-5.79	-6.02	-6.32	-6.71	-7.20	-7.79	-8.47	-9.22	-10.01	-10.82	-11.64	-12.43	13.19
-171.5	4.60	-3.94	-3.32	-2.77	-2.34	-2.06	-1.98	-2.12	-2.53	-3.24	-4.30	-5.72	-7.44	-9.38	-11.45	-13.58	-15.68	-17.68	19.48
-171.0	5.30	-4.83	-4.39	-4.00	-3.68	-3.46	-3.36	-3.41	-3.63	-4.06	-4.70	-5.58	-6.66	-7.89	-9.22	-10.61	-12.01	-13.36	14.63
-170.5	9.40	-8.94	-8.50	-8.09	-7.72	-7.40	-7.15	-6.98	-6.91	-6.94	-7.10	-7.39	-7.80	-8.32	-8.92	-9.60	-10.33	-11.10	12.70
-170.0	12.30	-11.50	-10.73	-9.99	-9.32	-8.72	-8.23	-7.86	-7.64	-7.58	-7.70	-8.02	-8.52	-9.19	-9.99	-10.91	-11.92	-13.01	14.15
-169.5	10.10	-10.31	-10.53	-10.76	-11.01	-11.29	-11.60	-11.95	-12.34	-12.79	-13.30	-13.87	-14.49	-15.14	-15.80	-16.46	-17.10	-17.70	18.25
-169.0	7.00	-9.07	-11.10	-13.05	-14.87	-16.52	-17.95	-19.13	-20.01	-20.55	-20.70	-20.45	-19.84	-18.95	-17.86	-16.63	-15.34	-14.06	12.86
-168.5	11.50	-11.36	-11.23	-11.11	-11.03	-10.98	-10.97	-11.02	-11.14	-11.33	-11.60	-11.96	-12.39	-12.88	-13.42	-13.98	-14.55	-15.11	15.65
-168.0	21.20	-19.78	-18.37	-16.97	-15.60	-14.26	-12.96	-11.70	-10.50	-9.37	-8.30	-7.32	-6.43	-5.65	-5.01	-4.52	-4.19	-4.05	4.38
-167.5	2.50	-2.72	-2.93	-3.15	-3.38	-3.62	-3.86	-4.12	-4.40	-4.69	-5.00	-5.33	-5.68	-6.06	-6.45	-6.86	-7.29	-7.74	8.20
-167.0	1.10	-2.72	-4.32	-5.89	-7.42	-8.88	-10.28	-11.58	-12.78	-13.86	-14.80	-15.60	-16.25	-16.76	-17.12	-17.36	-17.46	-17.43	17.00
-166.5	3.30	-4.19	-5.08	-5.95	-6.80	-7.62	-8.41	-9.16	-9.86	-10.51	-11.10	-11.62	-12.08	-12.46	-12.78	-13.03	-13.20	-13.31	13.35
-166.0	7.30	-7.91	-8.51	-9.07	-9.59	-10.05	-10.44	-10.73	-10.91	-10.97	-10.90	-10.68	-10.35	-9.93	-9.47	-9.00	-8.56	-8.19	7.91
-165.5	6.60	-6.31	-6.05	-5.84	-5.71	-5.68	-5.79	-6.04	-6.48	-7.12	-8.00	-9.12	-10.43	-11.88	-13.39	-14.91	-16.36	-17.69	18.84
-165.0	11.00	-11.40	-11.82	-12.25	-12.72	-13.24	-13.81	-14.45	-15.17	-15.99	-16.90	-17.92	-19.01	-20.12	-21.21	-22.24	-23.17	-23.94	24.51
-164.5	8.40	-7.93	-7.49	-7.10	-6.80	-6.61	-6.56	-6.67	-6.98	-7.52	-8.30	-9.35	-10.61	-12.01	-13.48	-14.97	-16.39	-17.68	18.77
-164.0	12.30	-13.28	-14.24	-15.15	-15.99	-16.75	-17.39	-17.90	-18.26	-18.43	-18.40	-18.16	-17.72	-17.14	-16.43	-15.64	-14.79	-13.93	13.09
-163.5	16.30	-16.93	-17.54	-18.08	-18.55	-18.89	-19.10	-19.13	-18.96	-18.56	-17.90	-16.97	-15.82	-14.51	-13.10	-11.66	-10.25	-8.94	7.78
-163.0	4.80	-6.06	-7.29	-8.48	-9.60	-10.62	-11.53	-12.29	-12.89	-13.30	-13.50	-13.47	-13.24	-12.85	-12.31	-11.66	-10.95	-10.19	9.43
-162.5	7.20	-8.20	-9.18	-10.12	-10.99	-11.78	-12.46	-13.02	-13.42	-13.66	-13.70	-13.54	-13.19	-12.70	-12.09	-11.39	-10.64	-9.86	9.09
-162.0	17.20	-16.85	-16.51	-16.16	-15.81	-15.46	-15.11	-14.76	-14.41	-14.06	-13.70	-13.34	-12.99	-12.64	-12.31	-12.00	-11.71	-11.45	11.23
-161.5	9.40	-8.60	-7.83	-7.09	-6.42	-5.84	-5.36	-5.00	-4.79	-4.75	-4.90	-5.25	-5.78	-6.45	-7.24	-8.11	-9.04	-9.98	10.91
-161.0	7.20	-6.10	-5.03	-4.02	-3.13	-2.37	-1.79	-1.42	-1.29	-1.44	-1.90	-2.70	-3.78	-5.08	-6.54	-8.11	-9.71	-11.28	12.76
-160.5	1.10	-8.9	-1.68	-2.47	-3.26	-4.05	-4.83	-5.61	-6.38	-7.14	-7.90	-8.65	-9.39	-10.11	-10.82	-11.50	-12.15	-12.77	13.35
-160.0	20	-92	-1.63	-2.32	-3.01	-3.67	-4.31	-4.92	-5.49	-6.02	-6.50	-6.93	-7.31	-7.64	-7.93	-8.16	-8.34	-8.48	8.61
-159.5	8.60	-9.29	-9.96	-10.60	-11.17	-11.67	-12.08	-12.38	-12.54	-12.56	-12.40	-12.07	-11.58	-10.98	-10.31	-9.60	-8.89	-8.22	7.62
-159.0	5.20	-5.76	-6.30	-6.83	-7.32	-7.77	-8.17	-8.50	-8.76	-8.93	-9.00	-8.97	-8.86	-8.68	-8.47	-8.24	-8.03	-7.81	7.65
-158.5	16.00	-14.87	-13.75	-12.66	-11.62	-10.65	-9.76	-8.96	-8.27	-7.71	-7.30	-7.04	-6.93	-6.93	-7.04	-7.24	-7.50	-7.82	8.17

ASPECT ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
158.0	-13.70	13.32	12.94	12.55	12.14	11.70	11.24	10.75	10.21	9.63	9.00	8.32	7.61	6.89	6.20	5.55	4.99	4.52	4.18	4.00
157.5	6.90	6.65	6.42	6.21	6.06	5.96	5.93	6.00	6.18	6.47	6.90	7.47	8.16	8.93	9.75	10.58	11.38	12.14	12.79	13.33
157.0	-10.00	-10.11	10.22	10.33	10.44	10.54	10.64	10.74	10.83	10.92	11.00	11.08	11.15	11.23	11.32	11.42	11.54	11.68	11.85	12.06
156.5	3.30	-4.72	6.11	7.44	8.68	9.80	10.77	11.55	12.12	12.45	12.50	12.27	11.80	11.16	10.41	9.64	8.89	8.25	7.78	7.51
156.0	-8.40	-7.74	7.09	6.48	5.92	5.44	5.04	4.75	4.58	4.56	4.70	5.01	5.46	6.03	6.69	7.40	8.12	8.84	9.51	10.11
155.5	8.50	-7.88	7.27	6.70	6.17	5.72	5.36	5.09	4.95	4.95	5.10	5.42	5.89	6.51	7.25	8.11	9.06	10.09	11.18	12.32
155.0	-6.90	-7.45	7.98	8.48	8.94	9.35	9.68	9.92	10.07	10.10	10.00	9.76	9.41	8.97	8.46	7.91	7.35	6.80	6.29	5.85
154.5	8.10	-7.75	7.40	7.09	6.81	6.59	6.43	6.35	6.36	6.47	6.70	7.05	7.51	8.06	8.66	9.29	9.93	10.55	11.14	11.66
154.0	-8.90	-9.04	9.18	9.32	9.46	9.61	9.77	9.94	10.11	10.30	10.50	10.71	10.92	11.12	11.31	11.45	11.56	11.61	11.59	11.49
153.5	-6.80	-6.16	-5.53	-4.94	-4.39	3.90	3.48	3.16	2.95	2.86	2.90	3.09	3.41	3.84	4.35	4.92	5.53	6.16	6.78	7.36
153.0	-17.40	-16.05	14.71	13.42	12.17	11.01	9.93	8.96	8.12	7.43	6.90	6.55	6.36	6.32	6.41	6.61	6.90	7.26	7.68	8.13
152.5	-6.60	-7.50	8.37	9.21	10.00	-10.71	11.33	11.83	12.21	12.44	12.50	12.39	12.12	11.73	11.24	10.70	10.13	9.57	9.03	8.57
152.0	-15.50	-13.63	11.78	9.97	8.24	6.60	5.08	3.69	2.47	1.43	0.60	0.00	0.38	0.54	0.50	0.26	0.17	0.78	1.56	2.50
151.5	-17.60	16.97	16.34	15.72	15.11	14.51	13.92	13.36	12.81	12.29	11.80	11.34	10.92	10.54	10.22	9.95	9.76	9.64	9.60	9.65
151.0	-15.80	-15.48	15.15	14.80	14.43	14.01	13.54	13.02	12.43	11.76	11.00	10.15	9.24	8.31	7.40	6.53	5.76	5.11	4.63	4.34
150.5	-6.90	-7.94	8.95	9.89	10.75	11.47	12.04	12.42	12.57	12.48	12.10	11.42	10.50	9.40	8.18	6.93	5.70	4.56	3.59	2.84
150.0	-13.30	-13.17	13.02	12.86	12.65	12.41	12.10	11.73	11.28	10.74	10.10	9.35	8.53	7.68	6.84	6.05	5.35	4.79	4.40	4.22
149.5	-6.70	-9.33	9.33	10.56	11.68	12.66	13.48	14.08	14.44	14.53	14.30	13.74	12.92	12.13	11.35	10.47	9.54	8.63	7.80	7.10
149.0	-1.90	-3.59	-5.25	-6.84	8.33	9.69	10.88	11.87	12.63	13.11	13.30	13.17	12.76	12.13	11.35	10.47	9.54	8.63	7.80	7.10
148.5	-1.50	-2.15	-2.80	-3.43	4.05	4.64	5.20	5.72	6.20	6.63	7.00	7.31	7.56	7.76	7.89	7.98	8.02	8.00	7.94	7.84
148.0	-3.40	-3.32	-3.25	-3.19	-3.19	-3.22	-3.30	-3.45	-3.68	-3.99	-4.40	-4.91	-5.51	-6.16	-6.84	-7.53	-8.19	-8.81	9.35	9.79
147.5	-11.80	-10.32	8.87	7.49	6.21	5.05	4.06	3.27	2.71	2.41	2.40	2.71	3.28	4.07	5.01	6.04	7.11	8.16	9.13	9.96
147.0	-1.10	-1.15	-1.21	-1.31	-1.46	-1.68	-1.98	-2.39	-2.92	-3.58	-4.40	-5.38	-6.49	-7.68	-8.93	-10.17	-11.38	-12.51	-13.52	14.36
146.5	-11.30	-9.45	-7.63	-5.89	4.27	2.79	1.51	0.45	0.35	0.85	1.00	0.79	0.27	0.52	0.50	0.26	0.17	0.78	1.56	2.50
146.0	-13.80	-12.15	-10.54	-8.99	-7.54	6.21	5.06	4.09	3.36	2.88	2.70	2.83	3.24	3.88	4.70	5.66	6.70	7.78	8.86	9.88
145.5	-4.80	-4.48	-4.17	-3.89	-3.65	-3.47	-3.36	-3.33	-3.41	-3.59	-3.90	-4.34	-4.90	-5.55	6.26	7.01	7.77	8.51	9.22	9.85
145.0	-14.60	-12.91	-11.26	-9.67	-8.18	6.83	5.65	4.67	3.93	3.46	3.30	3.46	3.91	4.59	5.46	6.47	7.55	8.67	9.77	10.79
144.5	-4.00	-3.42	-2.86	-2.35	-1.91	1.56	1.33	1.23	1.29	1.54	2.00	2.67	3.53	4.51	5.57	6.66	7.72	8.71	9.56	10.25
144.0	-12.10	-11.00	9.93	8.91	-7.97	-7.13	-6.42	-5.87	-5.49	-5.33	-5.40	-5.72	-6.25	-6.96	-7.79	-8.70	-9.66	-10.61	-11.52	12.33
143.5	-7.0	-1.18	0.31	0.76	1.15	1.44	1.61	1.65	1.52	1.21	0.70	-0.03	-0.95	-2.00	-3.14	-4.32	-5.49	-6.62	-7.64	8.52
143.0	-5.80	-5.80	-5.80	-5.81	-5.81	-5.82	-5.83	-5.84	-5.86	-5.88	-5.90	-5.93	-5.97	-6.02	-6.08	-6.16	-6.26	-6.38	-6.52	6.70
142.5	-5.0	-1.21	-1.90	-2.56	-3.18	-3.75	-4.25	-4.67	-4.99	-5.21	-5.30	-5.26	-5.13	-4.93	-4.72	-4.52	-4.37	-4.32	-4.40	4.65
142.0	-6.50	-6.38	-6.26	-6.16	-6.06	-5.97	-5.91	-5.87	-5.85	-5.86	-5.90	-5.98	-6.10	-6.26	-6.47	-6.74	-7.06	-7.44	-7.89	8.41
141.5	-2.70	-5.60	-8.44	-11.15	13.65	15.89	17.80	19.31	20.36	20.88	20.80	20.09	18.84	17.17	15.20	13.06	10.87	8.74	6.81	5.19
141.0	-8.0	-3.0	-2.1	-1.22	-1.22	-1.72	-2.22	-2.73	-3.23	-3.74	-4.30	-4.82	-5.34	-5.85	6.35	6.82	7.26	7.66	8.03	8.34
140.5	1.60	-2.0	-1.97	-3.69	-5.34	-6.88	-8.29	-9.54	-10.61	-11.47	12.10	12.48	12.63	12.59	12.40	12.09	11.70	11.26	10.80	10.37
140.0	-3.0	-2.6	-2.3	-2.3	-2.8	-3.8	-5.6	-8.3	-12.0	-1.68	2.30	3.06	3.93	4.89	5.90	6.93	7.95	8.93	9.83	10.63
139.5	-3.10	-3.32	-3.55	-3.80	-4.06	-4.34	-4.67	-5.02	-5.43	-5.89	6.40	6.98	7.60	8.26	8.93	9.60	10.26	10.88	11.46	11.97
139.0	1.90	0.38	-1.12	-2.54	-3.87	-5.07	-6.11	-6.96	-7.58	-7.93	8.00	7.76	7.28	6.63	5.89	5.15	4.48	3.96	3.67	3.69
138.5	-4.30	-4.98	-5.64	-6.26	6.84	7.36	7.79	8.13	8.35	8.45	-8.40	8.20	7.87	7.46	7.01	6.54	6.10	5.73	5.47	5.34
138.0	-6.10	-5.69	-5.28	-4.91	-4.57	-4.28	-4.05	3.89	3.83	3.86	-4.00	-4.26	-4.63	5.08	5.61	6.19	6.81	7.45	8.09	8.71
137.5	-7.30	-7.13	-6.97	-6.82	-6.69	-6.58	-6.50	6.46	6.45	6.50	-6.60	-6.76	6.96	7.21	7.49	7.79	8.11	8.42	8.73	9.03
137.0	-1.80	-2.23	-2.67	-3.09	-3.50	-3.89	-4.27	4.62	4.95	5.24	-5.50	5.72	5.91	6.08	6.24	6.40	6.57	6.75	6.96	7.21

ASPECT

DISTANT ANGLE

ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
136.5	1.30	20	-88	1.92	2.92	3.86	4.71	5.47	6.11	6.63	7.00	-7.22	7.30	7.28	7.18	7.03	6.86	6.69	6.56	6.38
136.0	9.50	9.39	9.29	9.22	9.18	9.18	9.23	9.35	9.54	9.82	10.20	10.68	-11.24	11.87	12.53	13.21	13.88	14.52	15.10	15.60
135.5	4.30	-5.26	6.20	-7.11	-7.96	8.75	9.44	10.03	10.50	10.83	-11.00	11.00	-10.85	10.59	-10.22	9.80	9.33	8.85	8.38	7.95
135.0	60	-13	-86	1.57	2.28	-2.97	3.63	-4.27	4.89	5.46	6.00	6.50	6.96	-7.39	7.79	8.17	8.54	8.90	9.26	9.63
134.5	5.20	-5.00	4.82	4.66	4.53	4.46	4.44	4.49	4.63	4.86	5.20	5.65	6.19	6.80	7.45	8.11	8.76	9.37	9.92	10.37
134.0	2.60	-3.09	-3.57	4.03	4.48	4.90	-5.29	-5.64	5.95	6.20	6.40	6.63	-6.61	-6.65	6.65	-6.62	6.57	-6.52	6.46	6.42
133.5	9.90	10.28	10.65	-11.00	-11.32	-11.60	11.84	12.01	12.12	12.15	12.10	-11.95	11.72	11.43	-11.09	-10.71	-10.30	9.90	9.50	9.13
133.0	1.20	-1.06	-92	-79	-67	-57	-49	-44	-42	-44	-50	-60	-75	-93	1.16	-1.43	-1.73	2.07	2.45	2.86
132.5	-70	-37	-06	20	41	53	55	45	20	21	-80	-159	254	-362	479	-600	-7.21	8.39	9.49	10.47
132.0	2.30	1.10	-08	-1.22	-2.31	3.32	4.24	-5.05	5.72	6.24	6.60	6.78	-6.81	6.74	6.60	6.45	6.31	6.23	6.26	6.44
131.5	-1.80	-1.50	-1.21	-96	-75	-61	54	-57	-72	-99	-140	-197	-267	349	-440	-537	6.40	-7.44	8.49	9.52
131.0	8.60	-7.80	-7.02	6.29	5.61	5.02	-4.53	-4.16	3.94	3.88	4.00	-4.32	4.81	-5.45	-6.20	7.03	-7.91	-8.80	9.69	10.53
130.5	4.80	-4.98	-5.15	5.31	5.46	5.58	5.67	5.72	5.73	5.69	5.60	5.45	5.26	-5.06	4.86	-4.68	-4.55	4.48	4.51	4.64
130.0	4.90	-4.96	5.02	5.08	5.13	5.17	5.20	5.22	5.23	5.22	5.20	5.16	5.11	-5.05	-5.01	-4.99	-5.00	-5.04	5.13	5.28
129.5	2.00	1.06	13	-78	-1.64	2.46	3.22	3.91	4.51	5.01	5.40	5.68	5.86	5.97	6.04	6.09	6.15	-6.24	6.40	6.61
129.0	3.80	-3.74	-3.69	3.64	3.61	3.60	-3.62	-3.66	3.73	3.84	4.00	4.20	4.44	-4.72	-5.01	-5.33	-5.66	-5.98	6.30	6.61
128.5	3.00	-2.81	-2.63	2.45	-2.28	-2.13	1.99	1.88	1.79	-1.73	1.70	-1.71	-1.75	-1.85	-1.99	-2.20	-2.47	-2.81	-3.22	3.72
128.0	2.90	-2.72	-2.54	-2.39	-2.26	-2.17	2.13	2.14	2.21	2.37	2.60	-2.92	-3.32	-3.78	-4.28	-4.81	-5.36	-5.89	6.40	6.88
127.5	4.80	4.11	3.42	2.69	1.92	1.10	21	-76	1.83	-3.00	4.30	-5.72	7.24	-8.80	-10.35	-11.86	-13.28	-14.56	-15.65	16.51
127.0	-1.00	-81	-65	-54	-52	-62	-85	1.26	-1.87	2.71	-3.80	-5.16	-6.74	-8.44	-10.21	-11.97	-13.63	-15.13	-16.40	-17.34
126.5	2.00	1.10	21	-66	-1.48	-2.26	-2.98	-3.63	-4.19	-4.65	-5.00	-5.24	5.38	-5.45	-5.49	-5.51	-5.55	-5.63	-5.78	6.03
126.0	70	13	-43	-1.00	1.57	2.13	-2.70	-3.28	-3.85	4.42	5.00	-5.58	-6.15	-6.70	-7.23	-7.72	-8.17	8.56	8.88	9.13
125.5	9.60	-9.32	-9.03	-8.74	8.44	8.12	-7.79	-7.43	-7.05	6.64	6.20	-5.73	-5.24	-4.75	-4.28	-3.85	-3.48	3.18	2.97	-2.87
125.0	4.40	-4.54	-4.67	-4.79	-4.89	-4.98	-5.03	-5.06	-5.05	-5.00	-4.90	-4.75	-4.57	-4.37	-4.17	-3.99	-3.84	-3.73	-3.70	3.75
124.5	-1.60	-1.49	-1.38	-1.29	-1.23	-1.20	-1.21	-1.26	1.37	-1.55	-1.80	-2.13	-2.52	-2.96	-3.45	-3.96	-4.48	-5.00	5.50	5.97
124.0	-1.40	-1.13	-86	-62	-42	-27	-17	-14	-20	-34	-60	-97	-144	-199	-261	-328	-398	-470	5.43	6.13
123.5	1.70	1.28	85	43	00	-42	-84	-127	1.69	-2.12	2.50	2.91	-3.32	-3.73	-4.14	-4.54	-4.95	-5.36	-5.77	6.18
123.0	80	-12	-1.03	-1.92	-2.80	-3.66	-4.49	-5.29	6.04	6.75	7.40	-8.00	8.54	-9.02	-9.44	-9.81	-10.12	-10.38	10.57	10.72
122.5	-3.10	-2.77	-2.46	-2.20	-2.01	-1.72	-1.94	-2.11	2.44	-2.96	-3.70	-4.66	-5.79	-7.04	-8.34	-9.63	-10.86	-11.94	-12.84	13.48
122.0	9.20	-8.09	-7.00	-5.98	-5.05	-4.25	-3.60	-3.14	-2.90	2.91	-3.20	-3.79	-4.62	-5.65	-6.80	-8.01	-9.23	-10.39	-11.43	-12.29
121.5	6.30	-7.77	-9.21	-10.57	-11.81	-12.89	-13.78	-14.43	-14.81	14.88	-14.60	-13.95	-12.99	-11.80	-10.46	-9.07	-7.69	-6.41	-5.32	4.49
121.0	-3.20	-3.22	-3.25	-3.30	-3.38	-3.51	-3.69	-3.94	-4.27	-4.69	-5.20	-5.82	-6.53	-7.31	-8.13	-8.98	-9.84	-10.68	-11.48	12.23
120.5	-2.00	-2.42	-2.84	-3.25	-3.65	-4.04	-4.40	-4.74	-5.06	-5.35	-5.60	-5.82	-6.00	-6.15	-6.28	-6.40	-6.49	-6.57	6.65	6.72
120.0	5.20	-4.75	-4.31	-3.89	-3.51	-3.18	-2.90	-2.69	2.56	-2.53	-2.60	-2.78	-3.08	-3.47	-3.95	-4.53	-5.17	-5.89	6.68	7.51
119.5	90	-63	2.15	-3.62	-5.03	-6.36	-7.59	-8.70	-9.67	10.47	-11.10	-11.53	-11.78	-11.87	-11.83	-11.67	-11.42	-11.09	10.72	10.31
119.0	-2.20	-2.01	-1.84	-1.68	-1.56	-1.47	-1.44	-1.46	-1.56	-1.73	2.00	2.36	2.81	-3.32	-3.87	-4.46	-5.05	-5.64	6.21	6.74
118.5	60	-58	-1.75	-2.89	-3.98	-5.02	-5.99	-6.88	-7.67	-8.35	8.90	9.32	9.61	9.78	9.85	9.83	9.73	9.57	9.35	9.09
118.0	-5.50	-4.59	-3.70	-2.88	-2.14	-1.52	-1.06	-77	-70	-86	-1.30	-2.02	2.98	4.13	-5.40	-6.74	-8.08	9.38	-10.57	11.60
117.5	50	-1.85	-4.16	-6.37	-8.45	-10.35	-12.02	-13.41	-14.49	15.20	-15.50	-15.36	-14.84	-14.00	-12.91	-11.65	-10.28	8.87	7.49	6.21
117.0	-10.00	-9.42	-8.85	-8.30	-7.78	-7.31	-6.88	-6.52	-6.23	-6.02	-5.90	-5.88	-5.94	-6.06	-6.22	-6.39	-6.55	-6.69	6.77	6.78
116.5	-10.80	-10.77	-10.74	-10.72	-10.69	-10.68	-10.66	-10.66	-10.66	-10.68	-10.70	-10.73	-10.78	-10.81	-10.85	-10.86	-10.86	-10.83	10.76	10.65
116.0	-3.30	-3.40	-3.71	-3.61	-3.71	-3.82	-3.93	-4.04	-4.16	-4.28	-4.40	-4.53	-4.68	-4.85	-5.06	-5.31	-5.62	-5.99	6.41	6.97
115.5	-5.60	-6.24	-6.86	-7.47	-8.05	-8.59	-9.09	-9.52	-9.90	-10.19	-10.40	-10.52	-10.55	-10.52	-10.43	-10.28	-10.11	-9.91	9.70	9.49

ASPECT ANGLE	BI-STATIC ANGLE																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
115.0	-20	-2.67	-5.09	-7.41	-9.60	-11.61	-13.39	-14.90	-16.08	-16.90	-17.40	-17.27	-16.86	-16.15	-15.22	-14.15	-13.02	-11.91	-10.90	-10.07
114.5	-4.90	6.04	-7.15	8.21	9.19	10.07	10.83	11.44	11.87	12.10	12.10	11.86	11.41	10.80	10.06	9.24	8.38	-7.52	6.71	5.99
114.0	-14.40	-13.38	12.18	11.02	9.92	-8.90	-7.98	-7.18	6.52	6.02	5.70	5.57	5.60	5.76	6.02	6.33	6.66	6.98	7.25	7.44
113.5	8.20	-8.02	-7.84	7.67	7.51	-7.37	-7.26	-7.17	7.11	7.08	7.10	7.16	7.27	7.44	-7.66	7.96	8.32	8.76	9.29	9.90
113.0	-9.20	9.71	10.21	10.66	-11.06	-11.38	-11.60	-11.70	11.66	11.47	11.10	10.54	9.83	8.99	8.06	7.08	6.09	5.12	4.20	3.40
112.5	6.40	6.58	-6.77	6.95	-7.12	-7.30	-7.47	-7.64	-7.80	7.95	8.10	8.24	-8.36	8.47	-8.54	8.59	-8.59	8.55	8.46	8.31
112.0	-4.30	4.38	-4.45	-4.52	-4.59	-4.65	-4.70	-4.75	-4.78	4.80	4.80	4.79	-4.78	-4.71	-4.64	-4.54	-4.41	-4.26	-4.07	3.85
111.5	-7.10	6.91	6.70	6.49	6.25	-5.99	5.69	5.35	4.96	-4.51	4.00	3.43	2.80	2.15	-1.50	-8.6	-2.6	2.7	7.3	1.08
111.0	-5.80	-6.77	-7.71	-8.60	-9.40	-10.10	-10.66	11.06	11.27	-11.26	-11.00	-10.49	-9.75	-8.83	-7.79	6.67	5.53	-4.40	3.33	2.08
110.5	-9.60	-9.98	-10.35	-10.69	-11.01	11.28	-11.49	-11.64	11.72	-11.71	11.60	-11.39	11.08	-10.70	-10.26	9.78	9.27	8.75	8.24	7.75
110.0	-7.40	-6.53	-5.68	-4.87	-4.13	-3.46	-2.90	-2.47	-2.17	2.04	-2.10	2.35	-2.78	3.34	-4.00	4.73	-5.49	6.26	6.99	7.65
109.5	-12.60	-12.61	-12.61	-12.58	-12.53	-12.42	-12.26	12.03	11.71	11.31	10.80	10.18	9.48	8.72	7.92	7.13	6.36	5.64	5.01	4.38
109.0	-6.10	-7.11	-8.09	-9.01	-9.85	-10.57	-11.16	11.57	11.78	11.77	11.50	10.96	10.21	9.29	-8.29	7.26	-6.26	-5.36	4.63	4.12
108.5	-7.50	-7.61	-7.72	-7.82	7.91	-7.97	8.01	8.01	7.99	7.92	-7.80	-7.64	-7.43	-7.20	-6.95	-6.70	-6.46	-6.24	6.04	5.89
108.0	-10.50	8.70	-6.95	5.30	3.78	2.46	1.36	-5.6	-0.8	0.2	-3.0	1.07	-2.21	-3.61	-5.17	-6.78	-8.36	9.78	-10.94	11.75
107.5	-7.50	-8.52	-9.52	-10.46	-11.32	12.07	-12.68	-13.13	-13.38	-13.41	13.20	12.72	-12.02	-11.12	-10.09	-8.97	-7.79	6.61	-5.47	4.42
107.0	-10.30	-9.44	-8.60	-7.76	-6.95	-6.17	-5.43	-4.74	-4.10	3.51	3.00	2.56	2.18	1.84	-1.53	-1.24	-.94	-.62	-.27	1.3
106.5	-6.60	-5.54	-4.49	-3.46	-2.45	-1.49	-.58	-.28	1.07	1.78	2.40	2.93	3.37	3.74	-4.04	4.30	4.51	4.69	4.86	5.03
106.0	-14.10	-14.00	-13.30	-12.60	-11.90	-11.20	-10.50	-9.80	9.10	8.40	7.70	-7.00	-6.30	5.58	-4.84	-4.08	-3.29	-2.46	-1.59	6.7
105.5	-7.00	-7.05	-7.09	-7.09	-7.06	-6.97	-6.81	6.57	6.23	5.78	5.20	-4.49	-3.66	2.74	-1.75	-.71	-.35	1.42	2.46	3.46
105.0	-9.50	-10.39	-11.25	-12.06	-12.79	-13.41	-13.89	14.21	14.33	14.24	13.90	-13.30	-12.46	-11.44	-10.25	-8.95	-7.58	-6.16	-4.75	3.49
104.5	-9.60	-9.83	-10.05	-10.23	-10.36	-10.43	-10.41	-10.30	-10.07	9.71	9.20	-8.53	-7.72	-6.80	-5.78	-4.69	-3.55	-2.39	-1.23	6.9
104.0	-8.40	-8.20	-7.99	-7.77	-7.55	-7.30	-7.04	-6.75	-6.43	-6.09	-5.70	-5.28	-4.82	-4.34	-3.85	-3.35	-2.86	-2.38	-1.92	1.49
103.5	-5.80	-6.24	-6.66	-7.04	-7.36	-7.59	-7.71	7.70	-7.55	-7.22	6.70	-5.98	-5.08	-4.05	-2.94	-1.78	-.61	-.53	1.58	2.52
103.0	-4.90	-6.34	-7.75	-9.09	-10.33	-11.45	-12.41	-13.18	-13.72	-14.00	-14.00	-13.69	-13.10	-12.29	-11.28	-10.14	-8.90	-7.62	6.32	5.07
102.5	-7.70	-7.65	-7.58	-7.48	-7.32	-7.09	-6.78	-6.36	-5.82	-5.14	-4.30	-3.30	-2.16	-.95	-.31	1.57	2.77	3.88	4.85	5.64
102.0	-1.80	-1.80	-1.79	-1.74	-1.63	-1.46	-1.19	-.82	-.33	-.30	1.10	2.06	3.15	4.31	5.50	6.67	7.77	8.74	9.53	10.10
101.5	2.10	1.71	1.33	-.98	-.68	-.44	-.28	-.21	-.24	-.40	-.70	1.14	1.71	2.36	3.07	3.81	4.54	5.24	5.87	6.40
101.0	-8.60	-7.32	-6.05	-4.78	-3.53	-2.29	-1.08	-.12	1.28	2.41	3.50	4.55	5.53	6.43	7.23	7.89	8.40	8.74	8.89	8.81
100.5	4.0	3.0	2.1	1.6	1.6	2.3	3.8	6.4	1.02	1.53	2.20	3.03	3.99	5.03	6.11	7.20	8.24	9.19	10.01	10.67
100.0	-6.10	-6.35	-6.56	-6.71	-6.76	-6.68	-6.44	-6.00	-5.34	-4.42	-3.20	-1.68	-.08	1.99	3.96	5.90	7.74	9.37	10.72	11.69
99.5	-5.90	-5.29	-4.67	-4.04	-3.39	-2.73	-2.03	-1.31	-.55	-.25	1.10	1.99	2.89	3.76	4.56	5.24	5.76	6.07	6.15	5.94
99.0	-5.10	-4.48	-3.86	-3.24	-2.62	-1.99	-1.35	-.70	-.05	-.62	1.30	1.99	2.67	3.33	3.95	4.50	4.98	5.36	5.61	5.73
98.5	1.00	.65	1.30	1.92	2.52	3.09	3.61	4.08	4.49	4.84	5.10	5.28	5.37	5.37	5.28	5.11	4.83	4.47	4.01	3.45
98.0	-4.80	-4.01	-3.23	-2.45	-1.67	-.90	-.14	-.61	1.35	2.08	2.80	3.50	4.16	4.76	5.30	5.73	6.05	6.24	6.28	6.13
97.5	-2.0	.47	1.14	1.78	2.40	2.97	3.49	3.96	4.36	4.67	4.90	5.03	5.06	4.99	4.81	4.53	4.14	3.64	3.04	2.33
97.0	1.70	2.69	3.64	4.55	5.39	6.15	6.82	7.38	7.81	8.12	8.10	8.23	8.21	8.04	7.73	7.27	6.67	5.94	5.09	4.10
96.5	1.90	3.02	4.12	5.15	6.09	6.92	7.59	8.09	8.37	8.42	8.20	7.69	6.92	5.91	4.71	3.35	1.86	2.7	1.37	3.04
96.0	5.50	6.38	7.23	8.03	8.75	9.35	9.81	10.10	10.20	10.08	9.70	9.06	8.19	7.14	5.97	4.72	3.45	2.22	1.06	0.1
95.5	6.80	7.12	7.43	7.74	8.03	8.31	8.57	8.80	9.00	9.17	9.30	9.39	9.43	9.41	9.33	9.18	8.95	8.64	8.23	7.72
95.0	-3.40	-1.09	1.18	3.38	5.45	7.37	9.09	10.57	11.78	12.67	13.20	13.35	13.17	12.69	11.98	11.09	10.07	8.98	7.87	6.79
94.5	3.00	3.78	4.54	5.25	5.89	6.43	6.86	7.14	7.26	7.18	6.90	6.39	5.68	4.81	3.81	2.74	1.61	48	63	1.67
94.0	4.50	5.21	5.90	6.56	7.17	7.71	8.16	8.52	8.75	8.85	8.80	8.59	8.22	7.74	7.15	6.48	5.75	4.99	4.21	3.41

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-93.5	5.10	5.59	6.05	6.49	6.86	7.17	7.39	7.50	7.48	7.32	7.00	6.51	5.86	5.07	4.18	3.19	2.14	1.04	-08	1.20
-93.0	1.90	2.35	2.77	3.16	3.49	3.75	3.91	3.95	3.86	3.62	3.20	2.60	1.85	.97	.01	-.99	-2.01	-3.01	3.95	4.79
-92.5	4.90	4.74	4.57	4.37	4.12	3.82	3.46	3.00	2.45	1.79	1.00	.08	-.94	-2.01	-3.11	-4.18	-5.18	-6.07	-6.82	7.37
-92.0	8.00	8.05	8.07	8.04	7.92	7.70	7.33	6.79	6.06	5.11	3.90	2.43	.76	-1.06	-2.93	-4.80	-6.58	-8.22	-9.63	10.75
-91.5	3.70	3.02	2.34	1.69	1.06	.46	-.09	-.59	-1.03	-1.41	-1.70	-1.91	-2.07	-2.19	-2.30	-2.43	-2.61	-2.86	-3.20	3.68
-91.0	7.10	6.53	5.98	5.45	4.95	4.50	4.10	3.77	3.52	3.36	3.30	3.34	3.46	3.62	3.78	3.91	3.96	3.90	3.70	3.31
-90.5	7.20	7.80	8.39	8.93	9.40	9.78	10.06	10.20	10.18	9.99	9.60	9.00	8.21	7.28	6.25	5.14	4.00	2.87	1.79	.78
-90.0	15.60	13.13	10.69	8.32	6.05	3.92	1.95	.20	-1.32	-2.56	-3.50	-4.11	-4.43	-4.51	-4.39	-4.14	-3.81	-3.43	-3.07	2.78
-89.5	3.10	2.65	2.22	1.79	1.38	.99	.63	.31	.02	-.21	-.40	-.53	-.62	-.69	-.74	-.80	-.87	-.99	-1.15	1.38
-89.0	7.70	7.20	6.69	6.18	5.64	5.09	4.51	3.89	3.24	2.54	1.80	1.01	.17	-.68	-1.54	-2.39	-3.21	-3.99	-4.71	5.35
-88.5	7.40	7.00	6.59	6.16	5.71	5.22	4.68	4.09	3.44	2.71	1.90	1.01	.05	-.95	-1.97	-2.98	-3.95	-4.86	-5.69	6.41
-88.0	3.70	2.11	.54	-.98	-2.42	-3.75	-4.95	-5.99	-6.85	-7.49	-7.90	-8.06	8.00	-7.77	-7.42	-6.99	-6.54	-6.11	-5.74	5.49
-87.5	3.50	2.51	1.54	.59	-.31	-1.15	-1.93	-2.61	-3.20	-3.66	-4.00	-4.20	-4.27	-4.24	-4.13	-3.95	-3.72	-3.48	-3.23	3.00
-87.0	5.60	4.22	2.85	1.49	.15	-1.17	2.44	-3.69	-4.88	-6.02	-7.10	-8.11	-9.05	-9.89	-10.62	-11.27	-11.77	-12.14	-12.36	12.42
-86.5	2.10	2.24	2.36	2.42	2.40	2.27	2.01	1.59	.98	.16	-.90	-2.21	-3.73	-5.38	-7.10	-8.84	-10.51	-12.05	-13.41	-14.52
-86.0	3.90	3.98	4.05	4.08	4.05	3.94	3.74	3.43	2.98	2.37	1.60	.65	-.46	-1.67	-2.96	-4.26	-5.56	-6.80	-7.95	8.96
-85.5	10.50	9.82	9.13	8.43	7.71	6.96	6.19	5.39	4.54	3.65	2.70	1.70	.66	-.38	-1.42	-2.42	-3.36	-4.23	-4.99	5.62
-85.0	-2.40	-2.36	-2.33	-2.31	-2.32	-2.37	-2.45	-2.59	-2.79	-3.06	-3.40	-3.82	-4.31	-4.82	-5.35	-5.86	-6.32	-6.71	-7.00	7.18
-84.5	-3.0	-83	-1.36	-1.91	-2.47	-3.06	-3.67	-4.31	-5.00	-5.72	-6.50	-7.33	-8.19	-9.08	-9.97	-10.84	-11.68	-12.48	-13.21	-13.85
-84.0	2.10	1.78	1.44	1.09	.71	-.29	-1.18	-2.00	-2.80	-3.54	-4.30	-5.00	-5.62	-6.20	-6.73	-7.26	-7.76	-8.14	-8.44	-10.20
-83.5	3.00	2.16	1.33	.52	-.27	-1.02	-1.74	-2.40	-3.00	-3.54	-4.00	-4.38	-4.69	-4.94	-5.14	-5.30	-5.44	-5.57	-5.70	-5.84
-83.0	-2.20	-2.86	-3.50	-4.11	-4.68	-5.19	-5.62	-5.96	-6.20	-6.32	-6.30	-6.14	-5.85	-5.47	-5.01	-4.50	-3.97	-3.44	-2.93	2.48
-82.5	-5.70	-5.30	-4.91	-4.55	-4.22	-3.95	-3.74	-3.61	-3.56	-3.62	-3.80	-4.10	-4.50	-4.97	-5.49	-6.03	-6.57	-7.07	-7.51	7.86
-82.0	6.20	-8.10	-9.96	-11.75	-13.43	-14.96	-16.30	-17.43	-18.29	-18.86	-19.10	-18.98	-18.55	-17.86	-16.96	-15.90	-14.75	-13.55	-12.35	11.22
-81.5	-3.0	-2.17	-4.01	-5.77	-7.41	-8.89	-10.18	-11.24	-12.02	-12.48	-12.60	-12.34	-11.77	-10.95	-9.96	-8.87	-7.76	-6.69	-5.74	4.99
-81.0	3.50	1.38	-.71	-2.72	-4.64	-6.42	-8.03	-9.44	-10.61	-11.51	-12.10	-12.37	-12.34	-12.07	-11.60	-10.98	-10.25	-9.46	-8.66	7.89
-80.5	1.90	.20	-1.48	-3.10	-4.65	-6.08	-7.38	-8.52	-9.47	-10.21	-10.70	-10.93	-10.94	-10.75	-10.41	-9.95	-9.42	-8.85	-8.28	7.75
-80.0	.10	-.66	-1.41	-2.14	-2.83	-3.48	-4.08	-4.61	-5.06	-5.43	-5.70	-5.86	-5.93	-5.92	-5.84	-5.70	-5.53	-5.33	-5.11	4.90
-79.5	-6.00	-6.56	-7.11	-7.63	-8.12	-8.55	-8.93	-9.24	-9.46	-9.58	-9.60	-9.50	-9.31	-9.06	-8.77	-8.47	-8.20	-7.98	-7.83	7.80
-79.0	-3.60	-4.70	-5.76	-6.76	-7.66	-8.41	-9.01	-9.39	-9.54	-9.42	-9.00	-8.26	-7.26	-6.10	-4.86	-3.63	-2.49	-1.53	-.84	.50
-78.5	-1.90	-2.02	-2.15	-2.27	-2.38	-2.49	-2.59	-2.69	-2.77	-2.84	-2.90	-2.95	-2.99	-3.04	-3.11	-3.22	-3.36	-3.56	-3.83	4.17
-78.0	-5.70	-5.69	-5.68	-5.66	-5.63	-5.58	-5.52	-5.43	-5.32	-5.18	-5.00	-4.79	-4.56	-4.33	-4.12	-3.94	-3.81	-3.76	-3.79	3.93
-77.5	-3.10	-4.51	-5.90	-7.24	-8.51	-9.68	-10.74	-11.65	-12.40	-12.96	-13.30	-13.42	-13.34	-13.09	-12.73	-12.28	-11.78	-11.28	-10.80	10.40
-77.0	-12.20	-10.81	-9.45	-8.13	-6.87	-5.69	-4.62	-3.67	-2.87	-2.24	-1.80	-1.56	-1.52	-1.67	-1.99	-2.47	-3.10	-3.87	-4.77	5.78
-76.5	-8.10	-8.19	-8.28	-8.36	-8.43	-8.48	-8.50	-8.50	-8.47	-8.41	-8.30	-8.15	-7.98	-7.79	-7.61	-7.44	-7.32	-7.24	-7.24	7.32
-76.0	-1.60	-1.51	-1.44	-1.37	-1.33	-1.31	-1.33	-1.39	-1.50	-1.67	-1.90	-2.20	-2.55	-2.96	-3.41	-3.89	-4.39	-4.90	-5.41	5.91
-75.5	-8.20	-7.78	-7.37	-6.96	-6.55	-6.15	-5.76	-5.37	-5.00	-4.64	-4.30	-3.97	-3.67	-3.39	-3.14	-2.93	-2.76	-2.64	-2.57	2.55
-75.0	-8.00	-6.79	-5.62	-4.51	-3.51	-2.66	-1.97	-1.50	-1.27	-1.13	-1.70	-2.41	-3.39	-4.60	-5.96	-7.40	-8.85	-10.26	-11.55	12.65
-74.5	-10.80	-9.72	-8.67	-7.66	-6.74	-5.92	-5.23	-4.70	-4.35	-4.21	-4.30	-4.64	-5.20	-5.93	-6.79	-7.74	-8.73	-9.71	-10.65	11.49
-74.0	-4.80	-4.41	-4.02	-3.65	-3.30	-2.98	-2.70	-2.46	-2.28	-2.16	-2.10	-2.12	-2.20	-2.34	-2.52	-2.75	-3.01	-3.30	-3.59	3.90
-73.5	-7.50	-6.56	-5.63	-4.75	-3.91	-3.16	-2.49	-1.93	-1.50	-1.22	-1.10	-1.16	-1.38	-1.75	-2.23	-2.82	-3.49	-4.23	-5.00	5.80
-73.0	-4.60	-4.42	-4.24	-4.08	-3.92	-3.78	-3.67	-3.58	-3.52	-3.49	-3.50	-3.55	-3.65	-3.79	-3.98	-4.21	-4.49	-4.82	-5.19	5.62
-72.5	-7.90	-7.10	-6.31	-5.58	-4.91	-4.33	-3.87	-3.54	-3.37	-3.38	-3.60	-4.03	-4.65	-5.43	-6.31	-7.26	-8.26	-9.24	-10.19	11.05

ASPECT
ANGLE

BISTATIC ANGLE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
72.0	-5.96	-4.95	-4.01	-3.18	-2.50	2.00	-1.71	1.67	-1.92	2.50	-3.42	4.61	6.01	-7.52	9.07	10.59	-11.97	13.16	14.06
71.5	-4.91	-4.44	-4.00	-3.59	3.24	2.96	-2.76	2.66	-2.67	2.80	-3.06	3.91	3.91	-4.46	5.06	5.69	6.33	6.96	7.56
71.0	-3.59	-3.88	-4.17	-4.46	-4.76	-5.07	5.39	5.71	6.05	6.40	6.76	7.14	7.53	-7.95	8.38	-8.83	-9.31	9.81	-10.34
70.5	-1.66	-2.03	-2.39	-2.75	-3.11	-3.47	-3.83	-4.19	-4.55	4.90	-5.25	-5.60	5.94	-6.27	-6.59	-6.89	-7.18	-7.44	-7.68
70.0	-5.75	-5.81	-5.87	-5.94	-6.03	-6.13	-6.26	-6.41	-6.59	6.80	-7.04	-7.31	-7.60	-7.89	-8.17	-8.43	-8.67	8.86	9.01
69.5	-4.51	-4.53	-4.56	-4.60	-4.66	-4.75	-4.86	-5.00	-5.18	5.40	-5.66	-5.96	-6.28	-6.60	-6.91	-7.21	-7.46	-7.68	7.82
69.0	-4.06	-4.21	-4.36	-4.51	-4.65	-4.78	-4.91	-5.02	-5.12	5.20	-5.27	-5.33	-5.40	-5.49	-5.61	-5.76	-5.97	6.23	6.57
68.5	2.80	1.88	-2.64	-4.30	-5.84	-7.22	-8.40	-9.37	-10.08	-10.50	-10.62	-10.48	-10.13	-9.63	-9.04	-8.40	-7.79	-7.25	6.83
68.0	-5.68	-5.36	-5.05	-4.76	-4.49	-4.24	-4.02	-3.84	-3.70	3.60	-3.55	-3.55	-3.60	-3.70	-3.85	-4.06	-4.32	-4.62	4.99
67.5	-1.17	0.04	-0.21	-0.32	-0.34	-0.25	0.03	-0.33	-0.87	-1.60	-2.53	-3.64	-4.87	-6.19	-7.55	-8.91	-10.23	-11.46	-12.57
67.0	-3.17	-3.74	-4.31	-4.89	-5.48	-6.08	-6.69	-7.31	-7.95	8.60	-9.27	-9.94	-10.60	-11.22	-11.78	-12.28	-12.69	-12.99	-13.17
66.5	-1.64	-2.35	-3.03	-3.66	-4.22	-4.68	-5.04	-5.28	-5.37	5.30	-5.06	-4.69	-4.23	-3.73	-3.24	-2.79	-2.43	-2.22	2.20
66.0	-3.46	-4.61	-5.71	-6.75	-7.70	-8.55	-9.28	-9.86	-10.27	-10.50	-10.53	-10.39	-10.13	-9.79	-9.42	-9.05	-8.73	-8.50	8.41
65.5	-2.80	-3.57	-4.29	-4.93	-5.47	-5.86	-6.11	-6.16	6.00	5.60	-4.95	-4.10	-3.10	-2.03	-0.94	-1.10	1.02	1.77	2.29
65.0	-5.44	-5.10	-4.77	-4.48	-4.22	-4.02	-3.87	-3.80	-3.80	-3.90	-4.09	-4.37	-4.71	-5.10	-5.52	-5.96	-6.39	-6.80	7.18
64.5	-1.98	-2.66	-3.30	-3.91	-4.46	-4.95	-5.36	-5.68	-5.90	6.00	-5.98	-5.85	-5.66	-5.44	-5.20	-4.99	-4.83	-4.76	-4.81
64.0	-5.08	-5.57	-6.04	-6.51	-6.97	-7.41	-7.84	-8.25	-8.64	9.00	-9.34	-9.64	-9.92	-10.15	-10.35	-10.50	-10.60	-10.66	-10.66
63.5	-4.63	-4.85	-5.07	-5.27	-5.46	-5.63	-5.77	-5.88	-5.96	6.00	-6.00	-5.96	-5.89	-5.80	-5.67	-5.52	-5.36	-5.18	-4.99
63.0	-5.54	-5.96	-6.36	-6.73	-7.05	-7.32	-7.52	-7.64	-7.67	-7.60	-7.42	-7.16	-6.82	-6.44	-6.03	-5.62	-5.23	-4.88	-4.60
62.5	-3.19	-2.90	-2.62	-2.37	-2.15	-1.98	-1.86	-1.80	-1.81	-1.90	-2.07	-2.32	-2.63	-2.98	-3.35	-3.74	-4.12	-4.49	-4.82
62.0	-6.37	-6.15	-5.94	-5.76	-5.61	-5.50	-5.43	-5.42	-5.48	-5.60	-5.80	-6.07	-6.41	-6.81	-7.26	-7.76	-8.30	-8.87	9.47
61.5	-1.56	-1.24	-0.93	-0.67	-0.45	-0.29	-0.21	-0.20	-0.30	-0.50	-0.82	-1.24	-1.74	-2.31	-2.94	-3.59	-4.27	-4.94	-5.59
61.0	-6.18	-6.35	-6.50	-6.60	-6.66	-6.65	-6.56	-6.38	-6.10	5.70	-5.18	-4.57	-3.91	-3.24	-2.59	-2.01	-1.53	-1.19	-1.04
60.5	-4.10	-2.95	-1.82	-0.60	0.66	1.80	2.33	2.67	2.77	2.60	2.15	1.46	0.56	-0.49	-1.65	-2.87	-4.12	-5.33	6.48
60.0	-3.11	-3.03	-2.96	-2.90	-2.87	-2.85	-2.86	-2.90	2.98	3.10	3.26	3.47	-3.72	-4.01	-4.34	-4.71	-5.11	-5.54	6.01
59.5	-5.70	-6.12	-6.31	-6.48	-6.62	-6.72	-6.78	-6.78	6.72	6.60	6.41	-6.16	-5.88	-5.60	-5.32	-5.08	-4.90	-4.79	4.79
59.0	-6.98	-6.18	-5.41	-4.70	-4.06	-3.52	-3.08	-2.77	-2.60	2.60	-2.77	-3.11	-3.59	-4.20	-4.92	-5.73	-6.61	-7.54	8.51
58.5	1.70	1.13	0.84	0.55	0.24	-0.07	-0.40	-0.75	-1.12	-1.50	-1.91	-2.33	-2.78	-3.24	-3.71	-4.20	-4.69	-5.19	5.70
58.0	-7.10	-5.80	-5.18	-4.62	-4.12	-3.69	-3.36	-3.15	-3.05	-3.10	-3.30	-3.64	-4.11	-4.69	-5.37	-6.13	-6.96	-7.84	8.76
57.5	-4.10	-3.32	-2.55	-1.18	-0.62	-0.16	0.16	0.32	0.31	0.10	-0.32	-0.93	-1.70	-2.58	-3.55	-4.57	-5.61	-6.63	-7.61
57.0	-2.30	-1.96	-1.64	-1.09	-0.89	-0.76	-0.71	-0.76	-0.92	-1.20	-1.61	-2.14	-2.76	-3.44	-4.16	-4.89	-5.62	-6.31	-6.95
56.5	-9.48	-7.91	-6.42	-5.06	-3.86	-2.88	-2.15	-1.71	-1.62	-1.90	-2.58	-3.60	-4.88	-6.32	-7.85	-9.38	-10.82	-12.10	-13.12
56.0	-1.96	-2.52	-3.07	-3.61	-4.13	-4.62	-5.09	-5.53	-5.94	6.30	-6.62	-6.89	-7.12	-7.30	-7.43	-7.51	-7.54	-7.51	-7.43
55.5	-1.92	-2.33	-2.72	-3.10	-3.46	-3.77	-4.06	-4.29	-4.47	-4.60	-4.66	-4.68	-4.66	-4.63	-4.60	-4.58	-4.60	-4.66	-4.79
55.0	-0.68	-0.39	-0.15	0.00	0.04	-0.06	-0.32	-0.78	-1.47	-2.40	-3.60	-5.00	-6.54	-8.15	-9.75	-11.28	-12.66	-13.82	-14.69
54.5	-7.13	-5.59	-4.14	-2.81	-1.65	-0.68	0.03	0.46	0.57	0.30	-0.35	-1.34	-2.60	-4.04	-5.59	-7.18	-8.75	-10.20	11.48
54.0	-2.47	-2.65	-2.86	-3.10	-3.40	-3.76	-4.20	-4.73	-5.36	6.10	-6.97	-7.93	-8.97	-10.05	-11.14	-12.21	-13.25	-14.21	15.07
53.5	-5.08	-5.15	-5.24	-5.33	-5.42	-5.53	-5.65	-5.78	-5.93	-6.10	-6.29	-6.49	-6.71	-6.94	-7.17	-7.41	-7.64	-7.87	8.09
53.0	-3.40	-3.41	-3.42	-3.43	-3.45	-3.48	-3.51	-3.56	-3.62	-3.70	-3.79	-3.91	-4.07	-4.27	-4.53	-4.85	-5.25	-5.73	6.31
52.5	-6.64	-7.07	-7.47	-7.82	-8.12	-8.34	-8.47	-8.50	-8.42	-8.20	-7.84	-7.37	-6.83	-6.24	-5.64	-5.06	-4.54	-4.12	3.83
52.0	-3.00	-4.46	-5.16	-5.80	-6.39	-6.91	-7.33	-7.64	-7.84	-7.90	-7.82	-7.62	-7.34	-7.02	-6.70	-6.40	-6.16	-6.03	6.03
51.5	-3.00	-3.63	-4.87	-5.45	-6.01	-6.52	-6.98	-7.39	-7.73	-8.00	-8.19	-8.31	-8.38	-8.39	-8.38	-8.34	-8.29	-8.24	8.21
51.0	-1.60	-3.77	-7.90	-9.77	-11.45	-12.88	-14.02	-14.82	-15.23	-15.20	-14.71	-13.83	-12.66	-11.31	-9.88	-8.46	-7.16	-6.09	5.11

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-50.5	-3.70	-4.35	-4.99	-5.59	-6.14	-6.62	-7.02	-7.31	-7.48	-7.52	-7.40	-7.12	-6.71	-6.20	-5.64	-5.06	-4.51	-4.02	-3.63	-3.37
-50.0	-3.80	-4.33	-4.83	-5.31	-5.74	-6.11	-6.39	-6.58	-6.65	-6.60	-6.40	-6.05	-5.57	-5.01	-4.38	-3.74	-3.10	-2.52	-2.02	-1.63
-49.5	-1.60	-2.90	-4.17	-5.39	-6.53	-7.57	-8.47	-9.21	-9.76	-10.10	-10.20	-10.05	-9.68	-9.15	-8.52	-7.83	-7.15	-6.52	-6.00	-5.64
-49.0	-2.30	-4.02	-5.71	-7.33	-8.86	-10.25	-11.48	-12.51	-13.31	-13.85	-14.10	-14.03	-13.68	-13.11	-12.36	-11.48	-10.52	-9.53	-8.56	-7.67
-48.5	-0.60	-3.38	-5.18	-6.94	-8.66	-10.25	-11.82	-13.31	-14.70	-15.97	-17.00	-17.80	-18.38	-18.75	-18.90	-18.85	-18.60	-18.15	-17.52	-16.77
-48.0	-5.10	-5.65	-6.20	-6.72	-7.22	-7.68	-8.10	-8.45	-8.75	-8.97	-9.10	-9.15	-9.11	-9.02	-8.89	-8.73	-8.56	-8.39	-8.25	-8.15
-47.5	-2.80	-2.83	-2.86	-2.89	-2.93	-2.97	-3.02	-3.07	-3.14	-3.21	-3.30	-3.40	-3.54	-3.71	-3.95	-4.26	-4.66	-5.17	-5.81	-6.58
-47.0	-6.90	-6.08	-5.29	-4.55	-3.87	-3.30	-2.84	-2.53	-2.39	-2.43	-2.70	-3.19	-3.88	-4.72	-5.66	-6.66	-7.67	-8.64	-9.54	-10.30
-46.5	-5.20	-3.89	-2.62	-1.43	-0.35	0.58	1.31	1.82	2.07	2.00	1.60	0.83	-0.24	-1.57	-3.06	-4.66	-6.29	-7.89	-9.39	-10.71
-46.0	-11.40	-9.26	-7.18	-5.20	-3.39	-1.79	-0.47	0.52	1.14	1.31	1.00	0.17	-1.11	-2.74	-4.62	-6.65	-8.74	-10.79	-12.70	-14.37
-45.5	-7.90	-7.42	-6.95	-6.47	-6.01	-5.55	-5.09	-4.65	-4.22	-3.80	-3.40	-3.02	-2.66	-2.36	-2.11	-1.94	-1.86	-1.88	-2.01	-2.28
-45.0	-9.30	-8.15	-7.02	-5.93	-4.90	-3.94	-3.08	-2.34	-1.73	-1.28	-0.90	-0.51	-0.10	0.25	0.65	1.00	1.30	1.54	1.72	1.85
-44.5	-6.40	-5.46	-4.54	-3.68	-2.89	-2.19	-1.63	-1.21	-0.97	-0.82	-0.70	-0.62	-0.55	-0.49	-0.44	-0.40	-0.37	-0.34	-0.31	-0.28
-44.0	-9.00	-8.19	-7.39	-6.61	-5.86	-5.16	-4.50	-3.91	-3.39	-2.95	-2.60	-2.36	-2.22	-2.21	-2.23	-2.29	-2.36	-2.44	-2.52	-2.60
-43.5	-12.60	-11.64	-10.69	-9.75	-8.84	-7.96	-7.13	-6.35	-5.63	-4.98	-4.40	-3.91	-3.51	-3.22	-3.03	-2.96	-3.01	-3.19	-3.51	-3.98
-43.0	-4.10	-4.31	-4.52	-4.75	-5.00	-5.29	-5.62	-5.99	-6.43	-6.93	-7.50	-8.15	-8.87	-9.64	-10.44	-11.27	-12.10	-12.93	-13.73	-14.49
-42.5	-2.00	-1.78	-1.58	-1.41	-1.28	-1.20	-1.20	-1.29	-1.47	-1.77	-2.20	-2.77	-3.47	-4.29	-5.22	-6.24	-7.35	-8.53	-9.78	-11.07
-42.0	3.80	2.60	1.42	0.25	-0.88	-1.98	-3.02	-4.01	-4.92	-5.76	-6.50	-7.15	-7.70	-8.16	-8.55	-8.85	-9.10	-9.27	-9.40	-9.47
-39.5	-60	-1.40	-2.21	-3.02	-3.82	-4.63	-5.44	-6.25	-7.06	-7.88	-8.70	-9.52	-10.33	-11.13	-11.90	-12.62	-13.30	-13.92	-14.46	-14.93
-39.0	-1.90	-3.79	-5.64	-7.41	-9.04	-10.51	-11.76	-12.76	-13.46	-13.82	-13.80	-13.37	-12.62	-11.62	-10.47	-9.27	-8.11	-7.08	-6.27	-5.78
-38.5	-4.00	-3.84	-3.68	-3.56	-3.47	-3.43	-3.45	-3.54	-3.73	-4.01	-4.40	-4.91	-5.51	-6.19	-6.90	-7.62	-8.32	-8.98	-9.56	-10.05
-38.0	-1.80	-1.98	-2.16	-2.35	-2.55	-2.77	-3.02	-3.29	-3.59	-3.92	-4.30	-4.72	-5.19	-5.71	-6.28	-6.91	-7.60	-8.35	-9.16	-10.04
-37.5	-7.00	-6.54	-6.10	-5.69	-5.33	-5.05	-4.85	-4.76	-4.80	-4.97	-5.30	-5.80	-6.44	-7.19	-8.02	-8.89	-9.77	-10.62	-11.42	-12.12
-37.0	-10.30	-9.65	-9.01	-8.38	-7.77	-7.17	-6.61	-6.07	-5.57	-5.11	-4.70	-4.34	-4.06	-3.86	-3.77	-3.81	-4.00	-4.35	-4.89	-5.63
-36.5	-6.80	-6.38	-6.00	-5.66	-5.40	-5.25	-5.23	-5.37	-5.69	-6.23	-7.00	-8.02	-9.27	-10.68	-12.22	-13.84	-15.49	-17.13	-18.71	-20.18
-36.0	-4.30	-3.86	-3.44	-3.05	-2.71	-2.45	-2.27	-2.20	-2.25	-2.45	-2.80	-3.32	-3.99	-4.77	-5.63	-6.55	-7.48	-8.40	-9.29	-10.10
-35.5	-6.40	-6.20	-6.01	-5.83	-5.68	-5.56	-5.48	-5.44	-5.46	-5.55	-5.70	-5.93	-6.22	-6.57	-6.97	-7.39	-7.84	-8.30	-8.75	-9.19
-35.0	-3.30	-3.84	-4.36	-4.87	-5.36	-5.80	-6.21	-6.56	-6.84	-7.06	-7.20	-7.25	-7.24	-7.18	-7.09	-6.99	-6.91	-6.86	-6.86	-6.93
-34.5	-10.80	-10.87	-10.94	-10.99	-11.03	-11.04	-11.02	-10.96	-10.86	-10.71	-10.50	-10.23	-9.93	-9.62	-9.31	-9.04	-8.83	-8.71	-8.70	-8.82
-34.0	-7.50	-7.02	-6.55	-6.13	-5.76	-5.48	-5.30	-5.24	-5.33	-5.57	-6.00	-6.62	-7.41	-8.32	-9.32	-10.36	-11.42	-12.46	-13.42	-14.28
-33.5	-2.00	-2.37	-2.75	-3.15	-3.59	-4.07	-4.60	-5.20	-5.88	-6.54	-7.50	-8.46	-9.51	-10.60	-11.70	-12.80	-13.85	-14.82	-15.70	-16.43
-33.0	10	-07	-26	-45	-68	-93	-123	-158	-198	-245	-3.00	-3.62	-4.31	-5.05	-5.81	-6.58	-7.34	-8.07	-8.75	-9.37
-32.5	-2.20	-2.62	-3.05	-3.50	-3.99	-4.53	-5.12	-5.78	-6.53	-7.36	-8.30	-9.35	-10.48	-11.65	-12.84	-14.01	-15.11	-16.13	-17.03	-17.76
-32.0	-7.40	-7.75	-8.10	-8.43	-8.74	-9.03	-9.29	-9.52	-9.70	-9.83	-9.90	-9.92	-9.89	-9.85	-9.81	-9.78	-9.80	-9.88	-10.04	-10.31
-31.5	-2.60	-2.76	-2.92	-3.08	-3.25	-3.43	-3.61	-3.81	-4.03	-4.25	-4.50	-4.77	-5.07	-5.42	-5.84	-6.34	-6.94	-7.65	-8.48	-9.46
-31.0	-6.10	-5.45	-4.82	-4.27	-3.80	-3.47	-3.29	-3.30	-3.54	-4.03	-4.80	-5.88	-7.20	-8.71	-10.35	-12.04	-13.71	-15.31	-16.77	-18.02
-30.5	-12.30	-11.16	-10.04	-8.99	-8.03	-7.18	-6.49	-5.97	-5.67	-5.60	-5.80	-6.29	-7.02	-7.96	-9.06	-10.25	-11.50	-12.76	-13.98	-15.11
-30.0	-11.60	-11.62	-11.64	-11.65	-11.64	-11.62	-11.57	-11.48	-11.36	-11.20	-11.00	-10.75	-10.47	-10.20	-9.94	-9.74	-9.60	-9.57	-9.66	-9.89
-29.5	-8.30	-6.93	-5.61	-4.39	-3.31	-2.42	-1.78	-1.43	-1.41	-1.79	-2.60	-3.87	-5.54	-7.51	-9.70	-12.01	-14.35	-16.65	-18.80	-20.71

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-29.0	-6.10	-6.38	-6.66	-6.96	-7.27	-7.62	-8.00	-8.42	-8.89	-9.41	-10.00	-10.65	-11.36	-12.11	-12.90	-13.70	-14.50	-15.30	-16.07	-16.81
-28.5	-3.70	-3.87	-4.03	-4.21	-4.39	-4.58	-4.79	-5.01	-5.25	-5.51	-5.80	-6.11	-6.46	-6.83	-7.25	-7.70	-8.20	-8.75	-9.34	-9.99
-28.0	-8.30	-7.52	-6.77	-6.05	-5.39	-4.81	-4.33	-3.97	-3.75	-3.69	-3.80	-4.10	-4.58	-5.20	-5.95	-6.79	-7.70	-8.65	-9.61	-10.57
-27.5	-8.40	-7.27	-6.18	-5.17	-4.30	-3.61	-3.13	-2.92	-3.01	-3.46	-4.30	-5.56	-7.17	-9.06	-11.13	-13.30	-15.50	-17.63	-19.61	-21.36
-27.0	-5.30	-4.48	-3.69	-2.96	-2.33	-1.82	-1.48	-1.32	-1.38	-1.70	-2.30	-3.20	-4.37	-5.76	-7.30	-8.96	-10.67	-12.40	-14.08	-15.66
-26.5	-4.20	-3.41	-2.67	-2.02	-1.50	-1.17	-1.06	-1.23	-1.71	-2.55	-3.80	-5.48	-7.52	-9.92	-12.30	-14.85	-17.39	-19.82	-22.04	-23.97
-26.0	-9.40	-8.96	-8.54	-8.14	-7.80	-7.53	-7.33	-7.23	-7.25	-7.40	-7.70	-8.16	-8.76	-9.49	-10.34	-11.29	-12.31	-13.41	-14.54	-15.72
-25.5	-4.20	-4.71	-5.23	-5.74	-6.26	-6.77	-7.29	-7.82	-8.34	-8.87	-9.40	-9.94	-10.48	-11.03	-11.58	-12.15	-12.73	-13.32	-13.93	-14.56
-25.0	-5.46	-6.71	-7.93	-9.10	-10.21	-11.25	-12.19	-13.02	-13.73	-14.30	-14.72	-15.01	-15.18	-15.18	-15.25	-15.24	-15.23	-15.07	-14.94	-14.81
-24.5	-5.30	-4.99	-4.71	-4.46	-4.29	-4.20	-4.23	-4.39	-4.71	-5.20	-5.90	-6.81	-7.89	-9.09	-10.36	-11.66	-12.93	-14.12	-15.17	-16.05
-24.0	-8.10	-7.57	-7.08	-6.66	-6.34	-6.17	-6.17	-6.37	-6.82	-7.55	-8.60	-9.97	-11.61	-13.42	-15.33	-17.24	-19.06	-20.71	-22.11	-23.17
-23.5	-8.10	-7.08	-6.09	-5.17	-4.36	-3.70	-3.20	-2.92	-2.89	-3.13	-3.70	-4.60	-5.78	-7.17	-8.70	-10.30	-11.90	-13.41	-14.78	-15.94
-23.0	-7.0	-5.5	-3.8	-1.7	-1.2	-0.51	-1.01	-1.66	-2.47	-3.48	-4.70	-6.15	-7.77	-9.52	-11.32	-13.13	-14.88	-16.51	-17.96	-19.18
-22.5	1.00	0.05	-0.91	-1.87	-2.85	-3.83	-4.84	-5.86	-6.91	-7.99	-9.10	-10.24	-11.41	-12.59	-13.78	-14.97	-16.14	-17.29	-18.40	-19.48
-22.0	1.30	1.19	1.07	0.91	0.69	0.39	0.00	-0.51	-1.15	-1.94	-2.90	-4.04	-5.34	-6.77	-8.28	-9.85	-11.43	-13.00	-14.53	-15.97
-21.5	-4.40	-3.64	-2.92	-2.25	-1.68	-1.23	-0.93	-0.82	-0.92	-1.27	-1.90	-2.82	-4.00	-5.38	-6.91	-8.54	-10.22	-11.90	-13.53	-15.04
-21.0	-5.10	-4.52	-3.97	-3.47	-3.04	-2.70	-2.50	-2.44	-2.55	-2.87	-3.40	-4.17	-5.15	-6.30	-7.59	-8.97	-10.41	-11.87	-13.32	-14.70
-20.5	-5.50	-4.83	-4.19	-3.60	-3.09	-2.68	-2.40	-2.28	-2.34	-2.60	-3.10	-3.85	-4.81	-5.96	-7.25	-8.64	-10.10	-11.58	-13.05	-14.47
-20.0	-1.10	-0.72	-0.36	-0.05	-0.18	-0.31	-0.32	-0.18	-0.14	-0.66	-1.40	-2.38	-3.57	-4.92	-6.39	-7.94	-9.53	-11.11	-12.65	-14.09
-19.5	-3.10	-3.18	-3.28	-3.39	-3.54	-3.72	-3.96	-4.25	-4.62	-5.06	-5.60	-6.23	-6.95	-7.75	-8.61	-9.52	-10.47	-11.44	-12.43	-13.42
-19.0	30	-0.18	-0.66	-1.14	-1.61	-2.08	-2.56	-3.02	-3.49	-3.95	-4.40	-4.85	-5.31	-5.80	-6.34	-6.93	-7.60	-8.37	-9.25	-10.25
-18.5	-3.20	-3.42	-3.65	-3.88	-4.11	-4.36	-4.62	-4.89	-5.17	-5.48	-5.80	-6.15	-6.52	-6.92	-7.36	-7.83	-8.35	-8.91	-9.52	-10.18
-18.0	-1.10	-1.82	-2.53	-3.23	-3.92	-4.60	-5.25	-5.89	-6.49	-7.06	-7.60	-8.10	-8.57	-9.01	-9.43	-9.85	-10.25	-10.67	-11.09	-11.53
-17.5	00	-0.74	-1.49	-2.25	-3.02	-3.82	-4.64	-5.49	-6.38	-7.32	-8.30	-9.33	-10.39	-11.46	-12.52	-13.53	-14.48	-15.35	-16.10	-16.73
-17.0	70	-0.08	-0.87	-1.69	-2.53	-3.41	-4.35	-5.34	-6.41	-7.56	-8.80	-10.13	-11.53	-12.95	-14.36	-15.71	-16.97	-18.10	-19.06	-19.80
-16.5	1.40	1.33	1.24	1.09	0.86	-0.53	0.07	-0.55	-1.35	-2.36	-3.60	-5.09	-6.78	-8.59	-10.47	-12.35	-14.16	-15.83	-17.31	-18.52
-16.0	2.00	2.30	2.55	2.74	2.81	2.72	2.45	1.95	1.18	0.11	-1.30	-3.07	-5.13	-7.38	-9.74	-12.12	-14.41	-16.54	-18.41	-19.93
-15.5	1.10	1.76	2.36	2.87	3.22	3.37	3.27	2.86	2.10	0.93	-0.70	-2.81	-5.30	-8.05	-10.95	-13.87	-16.68	-19.28	-21.53	-23.31
-15.0	-0.30	0.42	1.09	1.65	2.07	2.29	2.25	1.91	1.23	0.14	-1.40	-3.41	-5.81	-8.47	-11.27	-14.09	-16.82	-19.34	-21.52	-23.25
-14.5	50	0.74	0.95	1.08	1.10	0.97	0.66	0.12	-0.68	-1.77	-3.20	-4.98	-7.04	-9.28	-11.62	-13.96	-16.20	-18.26	-20.04	-21.45
-14.0	-1.00	-0.75	-0.53	-0.36	-0.27	-0.28	-0.42	-0.72	-1.20	-1.88	-2.80	-3.96	-5.32	-6.83	-8.42	-10.03	-11.60	-13.09	-14.42	-15.55
-13.5	-3.70	-3.22	-2.77	-2.37	-2.04	-1.82	-1.72	-1.77	-2.00	-2.44	-3.10	-4.00	-5.11	-6.36	-7.72	-9.12	-10.53	-11.88	-13.12	-14.21
-13.0	-5.70	-5.20	-4.72	-4.28	-3.89	-3.57	-3.34	-3.22	-3.23	-3.38	-3.70	-4.19	-4.83	-5.61	-6.48	-7.44	-8.45	-9.48	-10.52	-11.54
-12.5	-1.20	-1.39	-1.58	-1.79	-2.00	-2.24	-2.51	-2.80	-3.12	-3.49	-3.90	-4.36	-4.87	-5.44	-6.07	-6.77	-7.54	-8.38	-9.30	-10.31
-12.0	70	-0.28	-0.14	-0.56	-0.97	-1.38	-1.78	-2.17	-2.56	-2.94	-3.30	-3.66	-4.02	-4.41	-4.86	-5.37	-5.97	-6.68	-7.53	-8.53
-11.5	1.20	0.74	0.27	-0.19	-0.66	-1.12	-1.59	-2.07	-2.54	-3.02	-3.50	-3.99	-4.48	-4.99	-5.51	-6.06	-6.64	-7.24	-7.89	-8.57
-11.0	-0.43	-0.77	-1.11	-1.45	-1.80	-2.16	-2.53	-2.91	-3.29	-3.66	-4.02	-4.37	-4.72	-5.00	-5.29	-5.54	-5.79	-6.03	-6.28	-6.51
-10.5	-0.60	-0.87	-1.13	-1.40	-1.68	-1.95	-2.23	-2.51	-2.80	-3.10	-3.40	-3.71	-4.03	-4.37	-4.72	-5.10	-5.50	-5.93	-6.38	-6.87
-10.0	1.10	0.76	0.42	0.07	-0.27	-0.62	-0.97	-1.32	-1.68	-2.04	-2.40	-2.77	-3.15	-3.55	-3.98	-4.44	-4.94	-5.49	-6.10	-6.76
-9.5	2.10	1.64	1.19	0.74	0.29	-0.16	-0.60	-1.04	-1.47	-1.89	-2.30	-2.71	-3.11	-3.54	-4.00	-4.50	-5.05	-5.68	-6.38	-7.19
-9.0	1.10	0.73	0.36	-0.02	-0.39	-0.77	-1.16	-1.56	-1.96	-2.38	-2.80	-3.24	-3.69	-4.17	-4.67	-5.21	-5.79	-6.41	-7.08	-7.81
-8.5	80	0.40	0.00	-0.41	-0.83	-1.26	-1.71	-2.17	-2.65	-3.16	-3.70	-4.27	-4.86	-5.48	-6.12	-6.78	-7.46	-8.16	-8.86	-9.58
-8.0	1.00	0.51	0.01	-0.50	-1.02	-1.56	-2.12	-2.71	-3.34	-4.00	-4.70	-5.45	-6.23	-7.04	-7.86	-8.70	-9.52	-10.34	-11.14	-11.80

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-7.5	70	37	02	-36	-77	-124	-178	240	312	395	490	598	-715	832	971	1101	1228	-1348	1460	-1558
-7.0	-20	-31	-45	-62	-85	-117	-158	210	277	360	-460	579	-713	857	-1007	-1157	-1303	-1440	1563	1668
-6.5	-120	-121	-123	-129	-140	-157	-183	218	285	325	400	-491	-594	-706	824	-943	-1060	-1170	-1272	1359
-6.0	-60	-69	-80	-93	-110	-131	-158	193	235	287	-350	424	-507	-597	691	-787	-882	-973	1058	1135
-5.5	90	55	20	-17	-55	-96	-139	185	236	290	-350	-415	-484	-556	630	-705	-780	-853	923	989
-5.0	-80	-101	-123	-146	-171	-199	-231	267	309	356	410	471	-538	-609	-685	-762	-841	-919	996	1070
-4.5	-300	-291	-282	-277	-275	-279	-289	-307	-334	-371	-420	-482	-555	-637	-728	-826	-929	-1036	-1144	1253
-4.0	-360	-312	-267	-228	-200	-185	-187	210	255	327	410	-564	-626	-699	-782	-871	-966	-1066	-1171	1288
-3.5	-270	-250	-231	-217	-210	-210	-221	244	282	337	-410	-503	-614	-738	-872	-1012	-1156	-1309	-1438	1570
-3.0	-60	-58	-57	-59	-65	-77	-96	-123	-160	209	-270	-345	-432	-529	-634	-745	-860	-977	-1094	-1209
-2.5	00	04	07	07	02	-09	-28	-56	-94	-145	-210	-289	-381	-483	-591	-704	-817	-930	-1038	-1139
-2.0	30	47	62	73	77	72	56	27	-17	-79	-160	-262	-382	-514	-655	-800	-945	-1085	-1215	1332
-1.5	50	103	152	192	219	228	214	174	103	-03	-150	-339	-562	-811	-1075	-1346	-1612	-1866	-2096	2294
-1.0	70	102	131	153	165	163	144	105	42	-49	-170	-324	-505	-708	-926	-1152	-1381	-1605	-1819	2016
-5	50	70	88	100	102	92	68	25	-38	125	-240	-383	-549	-732	-924	-1120	-1312	-1494	-1659	1800
0	50	47	42	34	21	01	-27	-66	-116	181	-260	-356	-465	-585	-712	-843	-974	-1103	-1225	1339
5	60	50	38	24	06	-18	-48	-86	-133	190	-260	-342	-436	-539	-650	-768	-890	-1015	-1141	-1267
10	60	51	38	24	11	-11	-39	-75	-119	174	-240	-318	-408	-507	-615	-729	-850	-975	-1102	1231
15	10	20	28	32	29	19	-02	-35	-83	-147	-230	-332	-452	-585	-729	-879	-1032	-1186	-1335	1478
20	-40	17	69	112	141	151	139	100	28	80	-230	-423	-651	-904	-1170	-1440	-1701	-1945	-2160	2335
25	-80	-30	16	54	81	92	84	52	-06	-96	-220	-381	-572	-783	-1006	-1232	-1452	-1657	-1837	1985
30	-120	-73	29	07	33	45	40	13	-39	-119	-230	-375	-546	-737	-938	-1141	-1338	-1520	-1681	1810
35	80	78	75	68	55	37	09	-29	-78	-141	-220	-315	-423	-541	-666	-794	-922	-1046	-1163	1268
40	130	121	110	97	78	54	23	-18	-70	-133	-210	-301	-405	-517	-636	-758	-880	-999	-1112	1217
45	-30	-18	-08	-01	-01	-08	-25	-54	-96	-154	-230	-324	-434	-555	-682	-814	-943	-1068	-1184	1286
50	-40	-47	-55	-65	-78	-95	-118	-146	-182	-226	-280	-343	-415	-493	-576	-662	-748	-833	-914	991
55	130	104	75	44	07	-37	-89	-152	-227	-316	-420	-541	-674	-815	-959	-1102	-1239	-1365	-1475	1565
60	160	95	30	-38	-110	-186	-268	-358	-455	-562	-680	-809	-945	-1084	-1222	-1355	-1478	-1588	-1679	1748
65	160	20	-120	-257	-390	-519	-643	-760	-869	-970	-1060	-1139	-1208	-1267	-1316	-1355	-1386	-1408	-1423	-1430
70	120	11	-97	-202	-303	-398	-485	-563	-631	-687	-730	-759	-777	-788	-796	-805	-819	-841	-876	-928
75	170	99	28	-40	-106	-168	-225	-277	-322	-360	-390	-411	-426	-439	-452	-469	-494	-529	-578	644
80	200	195	188	177	160	136	103	59	01	-71	-160	-267	-388	-519	-655	-793	-928	-1056	-1171	1271
85	220	223	223	218	205	181	144	91	19	-73	-190	-332	-494	-670	-854	-1040	-1222	-1393	-1547	-1678
90	180	170	159	145	128	106	77	42	-02	-56	-120	-196	-282	-377	-479	-585	-695	-806	-917	1025
95	70	51	32	09	-17	-49	-87	-133	-188	-253	-330	-419	-519	-625	-734	-845	-953	-1056	-1150	-1232
100	-220	-242	-265	-289	-314	-342	-374	-408	-447	-491	-540	-595	-655	-718	-784	-852	-921	-989	-1056	1120
105	-110	-118	-128	-139	-153	-171	-193	-222	-256	-299	-350	-410	-478	-552	-632	-714	-798	-882	-965	1045
110	-100	-158	-215	-270	-324	-375	-422	-464	-502	-534	-560	-579	-593	-604	-614	-625	-640	-659	-686	722
115	-220	-262	-303	-345	-387	-430	-473	-516	-560	-605	-650	-696	-743	-790	-838	-886	-933	-981	-1028	1074
120	-720	-700	-683	-671	-666	-670	-688	-720	-769	-839	-930	-1045	-1178	-1323	-1474	-1625	-1769	-1899	-2011	2096
125	-250	-257	-266	-278	-293	-313	-341	-375	-419	-474	-540	-618	-707	-801	-899	-997	-1091	-1179	-1257	1322
130	120	63	06	-53	-113	-177	-244	-315	-391	-472	-560	-654	-754	-857	-962	-1068	-1173	-1275	-1373	1465
135	290	189	88	-13	-115	-217	-318	-421	-523	-626	-730	-834	-937	-1037	-1134	-1224	-1308	-1383	-1447	1500

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
140	3.50	2.85	2.20	1.53	.85	.15	-.57	-1.32	-2.11	-2.93	-3.80	-4.71	-5.66	-6.62	-7.58	-8.53	-9.44	-10.30	-11.09	-11.79
145	1.70	.08	1.51	3.07	-4.56	5.97	-7.27	8.44	9.47	10.33	11.00	11.47	11.76	-11.91	11.94	11.89	-11.80	-11.69	-11.60	-11.56
150	1.50	.42	-.65	-1.71	2.76	-3.78	-4.77	5.72	6.63	-7.49	8.30	9.05	9.74	10.36	-10.92	-11.42	11.85	-12.21	-12.51	-12.74
155	.70	.42	-.13	-.18	-.52	-.91	-1.35	1.86	2.45	3.13	3.90	4.78	-5.74	6.77	-7.83	8.91	9.97	-10.99	-11.96	-12.83
160	.20	.12	.02	-.08	-.21	-.38	-.57	-.82	-1.12	-1.47	-1.90	-2.40	-2.97	-3.60	-4.28	-5.01	-5.78	-6.58	-7.41	-8.25
165	-2.20	-1.93	-1.66	-1.43	-1.24	-1.10	-1.03	-1.04	-1.15	-1.36	-1.70	-2.17	-2.75	-3.44	-4.21	-5.04	-5.91	-6.81	-7.73	-8.63
170	-1.90	-1.90	-1.90	-1.93	-1.99	-2.10	-2.25	-2.47	-2.76	-3.13	-3.60	-4.17	-4.82	-5.53	-6.28	-7.05	-7.82	-8.56	-9.25	-9.87
175	-1.60	-2.33	-3.07	-3.80	-4.52	-5.23	-5.94	-6.63	-7.30	-7.96	-8.60	-9.22	-9.82	-10.41	-10.99	-11.56	-12.14	-12.71	-13.30	-13.89
180	-2.80	-4.23	-5.63	-6.98	-8.23	-9.36	-10.35	-11.15	-11.75	-12.11	-12.20	-12.01	-11.57	-10.95	-10.19	-9.36	-8.51	-7.69	-6.96	-6.38
185	-2.40	-2.99	-3.58	-4.16	-4.74	-5.31	-5.86	-6.40	-6.92	-7.42	-7.90	-8.35	-8.77	-9.15	-9.49	-9.77	-9.98	-10.13	-10.21	-10.20
190	-1.20	-1.97	-2.74	-3.50	-4.26	-5.01	-5.74	-6.46	-7.16	-7.84	-8.50	-9.13	-9.73	-10.30	-10.82	-11.30	-11.73	-12.10	-12.40	-12.64
195	-1.80	-2.54	-3.28	-4.02	-4.73	-5.43	-6.11	-6.76	-7.38	-7.96	-8.50	-9.00	-9.45	-9.85	-10.21	-10.51	-10.77	-10.98	-11.14	-11.25
200	-6.00	-5.79	-5.60	-5.44	-5.33	-5.28	-5.32	-5.45	-5.70	-6.08	-6.60	-7.28	-8.08	-8.98	-9.93	-10.91	-11.87	-12.79	-13.62	-14.44
205	-4.90	-4.79	-4.68	-4.58	-4.49	-4.42	-4.37	-4.35	-4.36	-4.41	-4.50	-4.63	-4.80	-5.01	-5.24	-5.50	-5.78	-6.08	-6.38	-6.69
210	1.40	-.52	-2.40	-4.21	-5.93	-7.52	-8.93	-10.16	-11.15	-11.87	-12.30	-12.41	-12.25	-11.87	-11.32	-10.67	-9.96	-9.25	-8.40	-8.07
215	2.10	.83	-.42	1.62	2.76	3.81	-4.74	-5.54	-6.18	-6.64	-6.90	-6.95	-6.82	-6.57	-6.26	-5.92	-5.62	-5.41	-5.33	-5.45
220	2.50	3.05	3.59	4.14	4.68	5.23	-5.77	-6.30	-6.84	-7.37	-7.90	-8.42	-8.94	-9.45	-9.95	-10.44	-10.91	-11.36	-11.80	-12.21
225	.10	-.01	-.14	-.30	-.49	-.74	-1.05	-1.43	-1.91	-2.50	-3.20	-4.02	-4.95	-5.94	-6.97	-8.01	-9.02	-9.98	-10.84	-11.60
230	3.10	-2.77	-2.46	2.19	1.98	-1.85	1.83	-1.93	2.18	-2.60	-3.20	-4.00	-4.98	-6.09	-7.32	-8.62	-9.96	-11.31	-12.64	-13.73
235	8.90	9.33	9.77	10.19	10.60	10.99	11.37	11.72	12.05	12.34	12.60	-12.82	-13.01	-13.16	-13.29	-13.40	-13.50	-13.58	-13.65	-13.73
240	5.20	4.99	4.78	4.59	4.42	4.28	4.18	4.12	4.12	4.28	4.40	4.50	4.76	5.07	-5.43	-5.82	-6.24	-6.66	-7.09	-7.50
245	3.00	3.15	3.31	3.49	3.69	3.93	4.22	4.56	4.97	5.44	6.00	6.64	7.35	8.10	-8.87	-9.63	-10.36	-11.04	-11.64	-12.13
250	10.40	9.71	9.03	8.38	7.78	-7.23	6.76	6.38	6.10	5.93	5.90	6.01	6.23	6.55	-6.93	-7.34	-7.76	-8.15	-8.49	-8.75
255	2.30	2.18	2.06	1.97	1.89	1.84	1.83	1.86	1.95	2.09	2.30	2.58	2.94	3.36	-3.86	-4.42	-5.05	-5.74	-6.50	-7.32
260	-2.70	3.83	-4.95	6.04	-7.09	8.09	9.02	9.87	10.63	11.27	-11.80	-12.20	-12.47	-12.63	-12.68	-12.64	-12.52	-12.32	-12.07	-11.75
265	-11.00	-9.86	-8.74	-7.67	6.68	5.79	5.02	4.40	3.96	3.72	-3.70	-3.92	-4.34	-4.93	-5.62	-6.39	-7.18	-7.96	-8.66	-9.26
270	6.60	6.56	6.53	6.51	6.51	6.55	6.63	6.76	6.94	7.18	-7.50	7.89	-8.35	8.85	-9.38	-9.92	-10.45	-10.97	-11.44	-11.86
275	-8.20	-8.24	-8.28	-8.29	-8.28	-8.23	8.13	-7.98	7.77	-7.47	-7.10	-6.64	-6.13	-5.61	-5.11	-4.68	-4.37	-4.20	-4.22	-4.48
280	-2.30	-3.21	4.11	4.98	5.80	6.57	7.27	7.89	8.41	8.82	9.10	9.25	9.28	9.21	9.06	8.85	-8.40	8.33	8.06	7.81
285	-8.30	-9.07	-9.82	-10.51	11.13	-11.65	-12.04	-12.27	12.33	12.18	-11.80	-11.18	-10.35	9.38	-8.32	-7.21	-6.12	-5.10	-4.21	-3.49
290	-11.20	-10.57	9.95	9.36	8.82	8.34	7.94	7.63	7.42	7.34	-7.40	7.60	7.93	-8.36	-8.86	-9.40	-9.96	10.51	11.02	11.46
295	-7.70	-7.66	-7.61	-7.56	-7.49	-7.40	-7.29	-7.15	-6.97	-6.76	-6.50	6.20	-5.87	-5.54	-5.23	-4.95	-4.73	-4.60	4.57	4.66
300	-3.10	-4.81	-6.47	8.04	-9.47	-10.72	-11.73	-12.46	-12.86	-12.89	-12.50	-11.67	-10.48	-9.05	-7.47	-5.87	-4.35	3.03	2.00	-1.30
305	-8.30	-8.83	-9.35	-9.83	-10.25	-10.59	-10.84	-10.98	-10.98	-10.82	-10.50	10.00	-9.35	-8.61	-7.83	-7.05	-6.32	-5.69	-5.21	4.93
310	-10.70	-10.65	10.59	-10.49	-10.34	-10.13	9.83	9.44	8.93	-8.29	-7.50	6.56	-5.52	-4.43	-3.35	-2.35	-1.49	-.83	-.42	-.32
315	-3.40	-3.57	-3.76	-3.95	-4.17	-4.42	-4.71	-5.05	-5.43	-5.88	-6.40	-6.99	-7.63	-8.31	-9.01	-9.70	-10.35	10.97	-11.51	11.96
320	-6.00	-5.83	-5.67	-5.54	-5.44	-5.39	-5.40	-5.49	-5.66	-5.92	6.30	6.79	7.38	-8.05	-8.78	-9.53	10.29	-11.05	-11.76	-12.42
325	-3.80	-4.02	-4.24	-4.47	-4.69	-4.92	-5.16	-5.41	-5.66	-5.93	6.20	6.49	-6.78	-7.09	-7.40	-7.71	8.03	8.35	8.67	8.99
330	-3.40	-2.64	-1.91	-1.22	-.60	-.08	.33	.59	.69	.60	.30	-.23	-.95	-1.83	-2.83	-3.90	5.02	6.14	7.22	8.22
335	-11.50	-9.46	-7.47	-5.58	-3.86	-2.34	-1.08	-.13	.45	.61	.30	-.50	-1.73	-3.29	-5.07	6.99	8.94	10.82	12.54	14.00
340	-1.30	-.95	-.62	-.32	-.09	.07	.14	.10	-.08	-.40	-.90	1.58	-2.41	-3.36	4.40	5.50	6.62	-7.74	8.81	9.81
345	-9.00	-8.33	-7.69	-7.08	-6.54	-6.07	-5.71	-5.47	-5.38	-5.45	5.70	6.15	-6.76	7.49	-8.31	-9.17	10.03	10.86	11.60	12.23
350	-6.40	-6.06	-5.71	-5.37	-5.04	-4.70	-4.37	-4.04	-3.72	-3.41	-3.10	2.80	-2.53	2.30	-2.13	2.04	-2.04	2.14	2.38	2.76

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
35.5	8.90	-7.77	6.67	5.62	4.64	-3.77	3.03	2.45	2.05	1.86	-1.90	2.19	-2.70	3.39	4.21	5.13	-6.10	7.09	8.04	8.93
36.0	-7.40	-6.56	-5.75	4.99	4.33	-3.77	3.36	-3.12	3.07	3.26	3.70	4.41	-5.35	6.07	7.70	8.99	10.29	-11.53	12.67	13.64
36.5	-6.90	-6.55	-6.19	-5.84	-5.50	-5.17	4.84	-4.53	4.24	3.96	-3.70	3.46	-3.25	3.07	2.92	2.81	-2.74	-2.73	2.76	2.85
37.0	-1.10	-7.5	-2.57	4.34	-6.03	-7.60	9.04	10.32	11.41	12.28	12.90	13.26	-13.39	-13.31	13.08	-12.72	-12.27	-11.76	11.24	10.74
37.5	-5.20	-5.42	-5.64	-5.84	-6.02	6.19	6.31	6.41	6.46	6.46	6.40	6.29	6.14	5.96	5.80	5.66	5.56	5.54	5.61	5.79
38.0	-1.60	-2.34	-3.07	-3.77	-4.43	-5.05	5.60	-6.07	6.45	6.73	6.90	6.95	6.91	6.82	-6.72	-6.64	6.64	6.75	7.00	7.44
38.5	1.30	-48	-34	-1.15	-1.95	-2.72	3.47	-4.18	-4.87	-5.51	6.10	6.64	7.14	-7.58	-7.98	8.33	-8.63	8.89	9.10	9.27
39.0	.00	-20	-41	-61	-80	-1.00	-1.19	-1.38	-1.56	1.73	-1.90	2.06	2.22	-2.37	-2.54	2.71	-2.90	-3.11	3.34	3.60
39.5	-3.60	-4.90	-6.18	-7.40	-8.56	9.61	10.55	11.34	-11.96	12.39	12.60	12.58	12.35	-11.96	-11.44	10.83	-10.17	9.50	8.86	8.28
40.0	-5.0	-1.82	-3.11	-4.35	-5.51	6.55	7.45	8.18	8.72	9.04	9.10	8.90	8.47	-7.88	-7.17	6.41	-5.64	-4.94	4.34	3.91
40.5	-1.00	-1.37	-1.75	-2.13	-2.51	-2.90	3.30	-3.70	-4.12	4.55	5.00	5.46	-5.93	6.39	-6.84	7.27	-7.66	-8.01	8.31	8.54
41.0	-3.0	-1.48	-2.64	-3.76	-4.82	-5.80	6.67	-7.44	8.06	8.52	8.80	8.89	-8.83	8.65	-8.39	8.10	-7.82	-7.59	7.45	7.43
41.5	-6.0	-1.43	-2.25	-3.03	-3.76	-4.41	4.98	-5.44	5.77	5.97	6.00	5.87	5.60	5.24	-4.84	-4.44	-4.08	-3.82	3.68	3.73
42.0	-9.10	-8.48	-7.88	-7.31	-6.80	-6.35	6.00	5.75	-5.62	5.63	5.80	6.14	-6.61	7.18	-7.81	8.47	-9.10	9.68	10.17	10.52
42.5	-2.10	-3.00	-3.88	-4.71	-5.49	6.19	6.79	-7.27	-7.61	7.80	-7.80	-7.62	-7.28	-6.83	-6.32	-5.80	-5.30	-4.88	4.57	4.43
43.0	-4.30	-4.69	-4.68	-4.67	-4.66	-4.65	-4.65	-4.65	-4.66	-4.68	-4.70	-4.73	-4.78	-4.84	-4.94	-5.07	-5.24	-5.46	-5.74	6.09
43.5	-1.80	-1.55	1.32	-1.12	-96	-87	-86	-94	-1.13	1.44	1.90	2.51	-3.24	-4.06	-4.94	5.84	-6.74	-7.60	8.38	9.06
44.0	2.40	-2.55	-2.71	-2.88	-3.07	3.27	3.51	3.77	-4.07	4.41	4.80	5.24	-5.71	6.19	6.68	-7.15	-7.58	-7.96	8.27	8.49
44.5	-6.70	-7.06	-7.41	-7.72	-7.97	8.15	8.24	8.22	8.07	7.77	7.30	6.66	-5.90	-5.06	-4.21	-3.41	-2.71	-2.17	1.85	1.81
45.0	-8.70	-8.71	-8.72	-8.74	8.75	8.76	8.77	8.78	8.79	8.79	8.80	8.81	-8.81	-8.81	-8.82	-8.84	-8.86	-8.88	8.91	8.95
45.5	-6.50	-5.92	-5.35	-4.80	-4.29	-3.83	-3.42	-3.08	-2.82	2.66	2.60	2.65	-2.82	-3.09	-3.46	-3.92	-4.48	-5.12	5.84	6.64
46.0	6.40	-5.68	-4.99	-4.33	-3.75	-3.26	2.87	2.62	2.53	2.61	2.90	3.40	-4.08	-4.91	-5.85	-6.86	-7.90	-8.93	-9.92	10.82
46.5	-5.80	-5.34	-4.90	-4.49	-4.14	-3.86	3.68	3.60	3.65	3.84	-4.20	-4.73	-5.43	-6.28	-7.25	-8.33	-9.49	-10.73	-12.03	13.36
47.0	-20	-33	-87	-1.40	-1.94	2.49	3.03	3.59	4.15	4.72	5.30	5.89	6.47	-7.05	-7.60	-8.11	-8.57	-8.97	9.30	9.55
47.5	-11.70	-10.94	-10.19	-9.46	-8.76	-8.10	-7.49	-6.95	-6.38	-6.09	-5.80	-5.61	-5.51	-5.51	-5.59	-5.75	-5.98	-6.28	-6.64	7.04
48.0	-10	-78	-1.66	-2.52	-3.36	-4.17	4.96	5.69	6.39	7.02	7.60	8.11	-8.55	-8.92	-9.22	-9.45	-9.61	-9.69	9.70	9.63
48.5	-4.50	-4.47	-4.45	-4.45	-4.47	-4.52	-4.61	-4.74	-4.93	5.18	-5.50	-5.89	-6.35	-6.85	-7.39	-7.95	-8.52	-9.08	9.63	10.14
49.0	-30	-47	-1.24	-2.00	-2.74	-3.47	4.18	-4.86	5.51	6.12	6.70	7.23	-7.73	8.18	-8.60	-8.99	-9.34	-9.67	9.97	10.25
49.5	6.80	-6.06	-5.34	-4.69	-4.11	-3.64	-3.31	-3.14	-3.17	-3.41	-3.90	-4.65	-5.61	-6.72	-7.91	-9.13	-10.31	-11.39	12.31	13.00
50.0	-7.50	-6.54	-5.60	-4.70	-3.86	-3.10	2.45	-1.92	-1.54	1.33	-1.30	1.47	-1.81	2.29	-2.88	-3.53	-4.22	-4.90	5.55	6.13
50.5	-3.30	-3.41	-3.52	-3.64	-3.75	-3.87	3.99	4.11	-4.24	-4.37	-4.50	-4.64	-4.79	-4.94	-5.11	-5.30	-5.51	-5.74	6.00	6.28
51.0	-3.50	-4.09	-4.70	-5.31	-5.95	-6.62	-7.33	8.09	-8.90	9.76	10.70	11.71	12.75	-13.80	-14.83	-15.79	-16.65	-17.37	17.93	18.29
51.5	-6.50	-5.60	-4.74	-3.94	-3.26	-2.72	-2.37	2.23	-2.35	2.76	-3.50	4.58	-5.95	-7.52	-9.22	-10.98	-12.70	-14.31	15.73	16.89
52.0	-5.40	-5.31	-5.22	-5.16	-5.14	-5.15	-5.23	-5.37	-5.58	-5.89	-6.30	6.81	-7.41	-8.06	-8.73	-9.40	-10.04	-10.62	11.11	11.48
52.5	-6.60	-6.60	-6.60	-6.60	-6.62	-6.64	-6.68	-6.73	-6.80	-6.89	-7.00	7.14	-7.30	-7.49	-7.70	-7.93	-8.18	-8.46	8.75	9.07
53.0	-3.50	-3.89	-4.27	-4.64	-4.99	-5.31	-5.60	-5.85	-6.05	6.21	-6.30	6.33	-6.32	-6.27	-6.22	-6.18	-6.17	-6.21	6.31	6.50
53.5	-2.50	-2.56	-2.63	-2.71	-2.81	-2.92	-3.06	-3.24	-3.45	-3.70	-4.00	-4.35	-4.74	-5.16	-5.60	-6.06	-6.51	-6.95	7.37	7.76
54.0	-3.90	-4.78	-5.65	-6.50	-7.30	-8.06	-8.74	-9.36	-9.88	-10.30	-10.60	-10.78	-10.84	-10.81	-10.69	-10.50	-10.25	-9.96	9.65	9.32
54.5	-5.80	-5.63	-5.47	-5.30	-5.15	-5.00	-4.87	-4.75	-4.65	-4.56	-4.50	-4.46	-4.43	-4.42	-4.42	-4.42	-4.42	-4.41	4.39	4.36
55.0	-30	-26	-82	-1.39	-1.95	-2.53	-3.10	-3.69	-4.28	4.89	-5.50	6.12	-6.74	-7.33	-7.88	-8.36	-8.77	-9.07	9.26	9.31
55.5	-8.10	-7.99	-7.88	-7.77	-7.65	-7.53	-7.40	-7.27	-7.12	6.97	-6.80	6.62	-6.44	-6.27	-6.11	-5.98	-5.89	-5.85	5.86	5.93
56.0	-5.40	-5.66	-5.92	-6.15	-6.36	-6.52	-6.63	-6.69	-6.68	-6.58	-6.40	6.12	-5.78	-5.40	-5.01	-4.64	-4.32	-4.09	3.97	3.90
56.5	-7.20	-6.94	-6.69	-6.47	-6.28	-6.14	-6.06	-6.06	-6.14	-6.31	-6.60	7.00	-7.50	-8.08	-8.72	-9.38	-10.05	-10.72	11.34	11.91

ASPECT
ANGLE

BISTATIC ANGLE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
57.0	-1.77	-2.91	-4.00	-5.00	-5.89	-6.65	-7.23	-7.62	-7.79	-7.70	-7.35	-6.77	-6.03	-5.18	-4.26	-3.35	-2.40	-1.74	1.16
57.5	-6.50	-5.97	-4.93	-4.45	-4.00	-3.59	-3.22	-2.91	-2.67	-2.50	-2.41	-2.39	-2.43	-2.53	-2.67	-2.85	-3.07	-3.30	-3.55
58.0	-9.30	-9.08	-8.87	-8.65	-8.44	-8.23	-8.02	-7.80	-7.60	-7.40	-7.20	-7.00	-6.82	-6.65	-6.38	-6.29	-6.25	-6.24	-6.29
58.5	-9.10	-8.55	-8.02	-7.49	-6.98	-6.49	-6.03	-5.61	-5.22	-4.89	-4.60	-4.37	-4.20	-4.10	-4.07	-4.11	-4.22	-4.41	-4.69
59.0	-4.60	-5.38	-6.15	-6.87	-7.53	-8.10	-8.58	-8.92	-9.12	-9.16	-9.00	-8.65	-8.12	-7.47	-6.73	-5.95	-5.15	-4.39	-3.70
59.5	-6.80	-6.10	-5.42	-4.76	-4.14	-3.57	-3.07	-2.65	-2.32	-2.10	-2.00	-2.03	-2.17	-2.42	-2.77	-3.21	-3.71	-4.28	-4.89
60.0	-6.50	-6.38	-6.25	-6.12	-5.99	-5.85	-5.70	-5.54	-5.37	-5.19	-5.00	-4.79	-4.57	-4.36	-4.14	-3.95	-3.77	-3.50	-3.23
60.5	-3.10	-3.54	-3.97	-4.38	-4.78	-5.14	-5.47	-5.76	-6.00	-6.18	-6.30	-6.34	-6.30	-6.22	-6.12	-6.03	-5.94	-5.88	-5.87
61.0	-3.80	-3.62	-3.44	-3.29	-3.18	-3.11	-3.17	-3.32	-3.55	-3.80	-4.36	-4.90	-5.51	-6.15	-6.79	-7.41	-7.98	-8.47	-8.85
61.5	-2.90	-3.25	-3.60	-3.95	-4.30	-4.64	-4.98	-5.32	-5.65	-5.98	-6.30	-6.61	-6.92	-7.21	-7.48	-7.73	-7.97	-8.17	-8.35
62.0	-8.20	-7.29	-6.40	-5.54	-4.73	-4.00	-3.35	-2.81	-2.40	-2.12	-2.00	-2.05	-2.24	-2.56	-2.95	-3.40	-3.87	-4.34	-4.77
62.5	-1.80	-1.60	-1.40	-1.20	-1.00	-0.80	-0.61	-0.43	-0.25	-0.07	-0.10	-0.26	-0.48	-0.80	-1.24	-1.78	-2.31	-2.84	-3.36
63.0	-11.50	-10.75	-10.00	-9.26	-8.55	-7.86	-7.20	-6.57	-6.00	-5.47	-5.00	-4.59	-4.25	-3.98	-3.77	-3.64	-3.57	-3.59	-3.68
63.5	-4.50	-4.24	-3.99	-3.78	-3.63	-3.54	-3.53	-3.63	-3.84	-4.19	-4.70	-5.37	-6.16	-7.04	-8.07	-9.24	-10.52	-11.77	-11.64
64.0	-4.40	-4.94	-5.46	-5.96	-6.44	-6.86	-7.24	-7.55	-7.79	-7.94	-8.00	-7.96	-7.84	-7.67	-7.48	-7.30	-7.17	-7.10	-7.29
64.5	-6.4	-6.4	-6.5	-6.2	-5.3	-3.5	-1.06	-0.36	-0.93	-1.67	-2.60	-3.74	-5.02	-6.40	-7.81	-9.18	-10.45	-11.56	-12.45
65.0	-1.50	-2.01	-2.50	-2.98	-3.44	-3.85	-4.23	-4.55	-4.80	-4.99	-5.10	-5.12	-5.08	-4.98	-4.84	-4.68	-4.52	-4.37	-4.26
65.5	-9.0	-1.44	-1.97	-2.48	-2.98	-3.44	-3.87	-4.26	-4.60	-4.88	-5.10	-5.25	-5.34	-5.38	-5.37	-5.34	-5.28	-5.20	-5.13
66.0	-6.60	-6.72	-6.84	-6.95	-7.05	-7.14	-7.21	-7.27	-7.30	-7.32	-7.30	-7.26	-7.18	-7.09	-6.97	-6.83	-6.67	-6.49	-6.30
66.5	-2.40	-3.53	-4.65	-5.73	-6.76	-7.73	-8.61	-9.40	-10.07	-10.61	-11.00	-11.23	-11.31	-11.27	-11.11	-10.85	-10.51	-10.11	-9.66
67.0	-8.20	-8.42	-8.62	-8.79	-8.92	-8.99	-8.98	-8.88	-8.68	-8.36	-7.90	-7.30	-6.58	-5.79	-4.96	-4.12	-3.31	-2.57	-1.93
67.5	-2.0	-5.4	-1.26	-1.97	-2.64	-3.27	-3.85	-4.36	-4.79	-5.15	-5.40	-5.55	-5.63	-5.66	-5.68	-5.70	-5.77	-5.92	-6.17
68.0	-9.40	-9.44	-9.47	-9.47	-9.43	-9.34	-9.18	-8.94	-8.61	-8.16	-7.60	-6.91	-6.12	-5.27	-4.40	-3.53	-2.72	-2.00	-1.39
68.5	-8.00	-8.05	-8.10	-8.13	-8.14	-8.12	-8.07	-7.98	-7.84	-7.65	-7.40	-7.09	-6.73	-6.34	-5.96	-5.59	-5.26	-5.00	-4.82
69.0	-4.00	-6.12	-8.18	-10.15	-11.95	-13.55	-14.89	-15.91	-16.58	-16.82	-16.60	-15.88	-14.75	-13.29	-11.61	-9.81	-7.99	-6.25	-4.69
69.5	-2.20	-4.00	-5.76	-7.42	-8.96	-10.31	-11.45	-12.32	-12.88	-13.09	-12.90	-12.29	-11.32	-10.06	-8.62	-7.06	-5.46	-3.92	-2.50
70.0	-6.50	-7.32	-8.11	-8.88	-9.58	-10.22	-10.77	-11.21	-11.52	-11.69	-11.70	-11.54	-11.22	-10.79	-10.26	-9.66	-9.03	-8.39	-7.77
70.5	-10.10	-10.18	-10.25	-10.28	-10.27	-10.19	-10.04	-9.78	-9.42	-8.93	-8.30	-7.52	-6.62	-5.63	-4.61	-3.59	-2.60	-1.69	-0.89
71.0	-7.90	-7.97	-8.03	-8.08	-8.10	-8.10	-8.06	-7.98	-7.85	-7.66	-7.40	-7.08	-6.70	-6.27	-5.82	-5.35	-4.88	-4.43	-4.00
71.5	-8.30	-7.89	-7.48	-7.07	-6.64	-6.21	-5.76	-5.30	-4.82	-4.32	-3.80	-3.26	-2.71	-2.17	-1.68	-1.25	-0.89	-0.64	-0.51
72.0	-11.00	-9.53	-8.11	-6.77	-5.57	-4.54	-3.73	-3.19	-2.96	-3.08	-3.60	-4.54	-5.81	-7.33	-8.99	-10.68	-12.31	-13.78	-14.99
72.5	-4.40	-4.32	-4.24	-4.18	-4.13	-4.11	-4.12	-4.17	-4.26	-4.40	-4.60	-4.86	-5.15	-5.47	-5.79	-6.09	-6.36	-6.56	-6.68
73.0	-5.60	-5.40	-5.20	-4.99	-4.76	-4.52	-4.26	-3.97	-3.65	-3.29	-2.90	-2.47	-2.01	-1.56	-1.12	-0.73	-0.39	-0.14	0.00
73.5	-5.90	-5.44	-4.99	-4.56	-4.18	-3.84	-3.57	-3.38	-3.28	-3.28	-3.40	-3.64	-3.98	-4.40	-4.86	-5.34	-5.80	-6.23	-6.59
74.0	-12.20	-10.65	-9.13	-7.67	-6.29	-5.04	-3.94	-3.01	-2.29	-1.81	-1.60	-1.67	-1.97	-2.44	-3.02	-3.63	-4.22	-4.71	-5.05
74.5	-8.60	-7.82	-7.04	-6.26	-5.49	-4.71	-3.94	-3.17	-2.41	-1.65	-0.90	-0.15	-0.58	-1.30	-1.99	-2.66	-3.30	-3.89	-4.45
75.0	-11.30	-10.28	-9.27	-8.28	-7.33	-6.41	-5.54	-4.74	-4.01	-3.36	-2.80	-2.34	-1.96	-1.63	-1.35	-1.07	-0.78	-0.47	-0.10
75.5	-5.20	-4.62	-4.05	-3.49	-2.94	-2.42	-1.94	-1.48	-1.07	-0.71	-0.40	-0.15	0.07	0.26	0.44	0.65	0.89	1.19	1.56
76.0	-9.00	-8.86	-8.70	-8.52	-8.29	-8.01	-7.66	-7.23	-6.70	-6.06	-5.30	-4.41	-3.41	-2.35	-1.25	-0.15	0.91	1.90	2.79
76.5	-5.10	-4.30	-3.51	-2.77	-2.09	-1.49	-0.99	-0.61	-0.37	-0.29	-0.40	-0.70	-1.15	-1.71	-2.33	-2.96	-3.56	-4.09	-4.48
77.0	-8.30	-7.89	-7.49	-7.09	-6.69	-6.30	-5.92	-5.54	-5.18	-4.83	-4.50	-4.18	-3.87	-3.55	-3.23	-2.89	-2.52	-2.11	-1.66
77.5	-1.70	-2.94	-4.14	-5.25	-6.24	-7.06	-7.67	-8.03	-8.10	-7.84	-7.20	-6.16	-4.79	-3.17	-1.38	-0.50	0.28	1.18	2.01
78.0	-2.00	-1.59	-1.19	-0.80	-0.44	-0.20	-0.46	-0.67	-0.82	-0.90	-0.90	-0.92	-0.88	-0.79	-0.68	-0.56	-0.44	-0.34	-0.26

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
78.5	-2.50	-4.36	-6.16	-7.84	-9.32	-10.55	-11.46	-12.00	-12.09	-11.68	-10.70	-9.12	-7.04	-4.59	-1.92	.86	3.61	6.19	8.47	10.32
79.0	-5.10	-6.32	-7.48	-8.54	-9.45	-10.14	-10.57	-10.68	-10.42	-9.75	-8.60	-6.96	-4.92	-2.62	-.20	2.21	4.49	6.48	8.08	9.12
79.5	-1.90	-2.24	-2.58	-2.93	-3.30	-3.69	-4.12	-4.57	-5.07	-5.61	-6.20	-6.84	-7.50	-8.13	-8.70	-9.17	-9.48	-9.62	-9.52	-9.17
80.0	-4.30	-4.95	-5.56	-6.08	-6.47	-6.70	-6.70	-6.45	-5.89	-4.99	-3.70	-2.00	-.02	2.26	4.63	7.01	9.30	11.40	13.20	14.60
80.5	-4.40	-4.24	-4.10	-4.01	-4.02	-4.04	-4.21	-.51	-.96	-1.58	-2.40	-3.42	-4.58	-5.81	-7.03	-8.16	-9.13	-9.87	-10.29	-10.33
81.0	-7.00	-6.19	-5.38	-4.58	-3.80	-3.04	-2.32	-1.62	-.97	-.36	-.20	-.70	-1.15	-1.53	-1.85	-2.11	-2.30	-2.43	-2.49	-2.48
81.5	-1.40	-1.48	-1.54	-1.54	-1.47	-1.30	-1.01	-.57	-.05	-.86	-1.90	-3.17	-4.61	-6.12	-7.64	-9.08	-10.35	-11.37	-12.05	-12.33
82.0	-5.40	-4.64	-3.90	-3.19	-2.52	-1.91	-1.38	-.94	-.60	-.38	-.30	-.36	-.56	-.86	-1.26	-1.72	-2.24	-2.78	-3.34	-3.88
82.5	-4.70	-3.92	-3.13	-2.36	-1.59	-.83	-.09	-.64	-.35	-.20	2.70	3.33	3.91	4.42	4.82	5.10	5.22	5.17	4.91	4.43
83.0	-.90	-.68	-.44	-.20	-.07	-.37	-.71	1.10	1.53	2.03	2.60	3.24	3.90	4.56	5.16	5.67	6.03	6.21	6.16	5.83
83.5	-2.60	-.97	-.63	-.216	3.57	4.84	5.92	6.79	7.40	7.71	7.70	7.33	6.65	5.70	4.52	3.18	1.71	.17	1.39	2.93
84.0	-4.20	-1.65	-.85	3.24	5.47	7.49	9.25	10.69	11.77	12.42	12.60	12.27	11.50	10.36	8.93	7.30	5.53	3.72	1.94	28
84.5	-2.0	1.41	2.99	4.50	5.91	7.19	8.30	9.20	9.88	10.29	10.40	10.19	9.69	8.95	8.01	6.92	5.72	4.47	3.20	1.96
85.0	3.80	5.36	6.89	8.33	9.64	10.79	11.73	12.43	12.83	12.90	12.60	11.90	10.86	9.55	8.03	6.38	4.67	2.96	1.34	14
85.5	-3.20	-1.92	-.66	-.57	1.76	2.90	3.96	4.93	5.81	6.57	7.20	7.69	8.03	8.21	8.23	8.08	7.75	7.23	6.52	5.61
86.0	6.60	6.23	5.86	5.47	5.07	4.63	4.16	3.65	3.09	2.48	1.80	1.06	-.27	-.54	1.36	-2.15	-2.90	-3.58	-4.17	-4.65
86.5	1.10	2.05	2.98	3.86	4.68	5.42	6.05	6.56	6.91	7.10	7.10	6.90	6.51	5.97	5.31	4.55	3.73	2.88	2.02	1.18
87.0	-.50	-.20	-.88	1.48	1.99	2.37	2.59	2.62	2.42	1.95	1.20	-.14	1.19	2.71	4.37	6.11	7.87	9.58	11.17	12.60
87.5	6.00	7.16	7.67	7.08	7.10	8.41	8.58	8.59	8.39	7.97	7.30	6.36	5.18	3.81	2.30	-.69	-.97	-2.64	-4.26	5.80
88.0	5.00	5.75	6.46	7.07	7.57	7.89	7.99	7.84	7.38	6.59	5.40	3.81	1.87	-.31	-2.66	-5.09	-7.50	-9.80	-11.91	13.74
88.5	7.60	7.00	6.39	5.76	5.09	4.38	3.62	2.79	1.88	89	-.20	1.39	-2.67	-3.99	-5.32	-6.65	-7.93	-9.13	-10.24	11.20
89.0	12.90	10.96	9.03	7.14	5.31	3.55	1.88	-.33	-1.10	2.38	3.50	4.44	5.21	5.84	6.35	-6.75	-7.07	7.32	7.53	7.72
89.5	11.80	11.53	11.23	10.90	10.50	10.02	9.44	8.74	7.90	6.89	5.70	4.32	2.78	1.13	-.59	-2.32	-4.02	5.64	7.15	8.48
90.0	12.50	10.81	9.14	7.50	5.92	4.42	3.01	1.72	-.55	-.46	1.30	1.96	2.45	2.80	3.03	3.16	3.21	3.21	3.18	3.13
90.5	7.00	6.83	6.66	6.47	6.25	5.99	5.70	5.35	4.94	4.46	3.90	3.26	2.55	1.80	1.03	-.26	-.48	-1.18	1.82	2.36
91.0	1.30	-.83	-.38	-.06	-.46	-.81	1.11	-1.34	-1.49	-1.54	-1.50	-1.35	-1.11	-.81	-.47	-.12	-.20	-.48	-.70	-.81
91.5	2.30	2.35	2.37	2.36	2.30	2.16	1.93	1.58	1.11	-.49	-.30	-1.26	-2.37	-3.58	-4.86	-6.16	-7.44	-8.67	-9.80	10.79
92.0	-.90	-.15	-.59	-1.31	-2.01	-2.66	-3.26	-3.81	-4.29	-4.69	5.00	-5.22	-5.36	-5.43	-5.46	-5.46	-5.44	-5.43	5.44	5.49
92.5	8.30	6.48	4.69	2.96	1.31	-.21	-1.60	-2.81	-3.81	-4.59	-5.10	-5.33	-5.32	-5.10	-4.73	-4.23	-3.66	3.06	2.47	1.94
93.0	1.90	-.14	-1.59	-3.24	-4.77	-6.15	-7.34	-8.30	-8.99	9.37	-9.40	-9.07	-8.43	-7.57	6.57	-5.51	-4.47	-3.52	2.76	2.26
93.5	4.10	3.43	2.76	2.08	1.38	.66	-.08	-.85	-1.66	-2.51	-3.40	-4.34	-5.30	-6.27	-7.22	-8.13	-8.98	-9.74	-10.40	10.93
94.0	-4.80	-4.98	-5.17	-5.39	-5.63	-5.91	-6.25	-6.64	-7.11	-7.66	-8.30	-9.04	-9.85	-10.70	-11.58	-12.44	-13.26	-14.02	-14.68	15.21
94.5	3.10	2.63	2.15	1.66	1.16	.63	-.09	-.48	-1.08	-1.72	-2.40	-3.12	-3.88	-4.65	-5.43	-6.21	-6.96	-7.68	8.35	8.96
95.0	10	-.67	-1.43	-2.16	-2.87	-3.54	-4.15	-4.71	-5.19	-5.59	-5.90	-6.11	-6.24	-6.29	-6.30	-6.26	-6.21	-6.15	6.10	6.08
95.5	6.00	5.33	4.66	3.98	3.29	2.57	1.84	1.08	-.29	-.53	-1.40	-2.31	-3.24	-4.20	-5.15	-6.10	-7.02	-7.91	8.74	9.51
96.0	-3.50	-3.16	-2.84	-2.57	-2.36	-2.24	-2.23	-2.35	-2.62	-3.06	-3.70	-4.55	-5.56	-6.69	-7.88	-9.09	-10.27	-11.36	-12.31	13.07
96.5	-1.70	-2.50	-3.31	-4.12	-4.93	-5.76	-6.58	-7.42	-8.27	-9.13	-10.00	-10.89	-11.77	-12.64	-13.49	-14.29	-15.02	-15.69	16.27	16.74
97.0	-2.50	-2.87	-3.23	-3.57	-3.89	-4.16	-4.38	-4.55	-4.65	-4.67	-4.60	-4.44	-4.21	-3.93	-3.62	-3.32	-3.04	-2.82	2.67	2.62
97.5	-6.30	-6.75	-7.19	-7.62	-8.03	-8.41	-8.75	-9.05	-9.29	-9.48	-9.60	-9.65	-9.64	-9.59	-9.49	-9.38	-9.25	9.13	9.02	8.94
98.0	-12.10	-12.13	-12.15	-12.14	-12.08	-11.96	-11.76	-11.47	-11.08	-10.56	-9.90	-9.10	8.19	7.21	6.22	5.24	4.33	3.52	2.87	2.42
98.5	-14.60	-13.89	-13.18	-12.48	-11.79	-11.11	-10.45	-9.80	-9.18	8.57	-8.00	-7.46	6.96	6.51	6.13	5.84	5.63	5.54	5.56	5.71
99.0	-7.40	-7.81	-8.21	-8.57	-8.90	-9.16	-9.35	-9.46	-9.46	-9.35	-9.10	8.72	8.23	7.68	7.12	6.58	6.10	5.73	5.51	5.49
99.5	-6.40	-5.99	-5.59	-5.22	-4.88	-4.60	-4.37	-4.21	-4.14	-4.17	-4.30	4.55	4.90	5.32	5.79	6.29	6.80	7.28	7.73	8.11

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100.0	-8.30	-7.38	-6.49	-5.66	-4.93	-4.32	-3.86	-3.59	-3.53	-3.73	-4.20	-4.97	-5.97	-7.16	-8.45	-9.79	-11.11	-12.33	-13.40	-14.24
100.5	-8.20	-5.20	-6.18	-7.13	-8.03	-8.86	-9.60	-10.25	-10.77	-11.16	-11.40	-11.48	-11.42	-11.26	-11.02	-10.75	-10.48	-10.23	-10.05	-9.96
101.0	-4.20	-2.99	-3.77	-4.52	-5.23	-5.88	-6.45	-6.93	-7.31	-7.57	-7.70	-7.69	-7.57	-7.38	-7.16	-6.95	-6.79	-6.71	-6.76	-6.98
101.5	-6.80	-7.06	-7.31	-7.56	-7.81	-8.04	-8.28	-8.50	-8.71	-8.91	-9.10	-9.27	-9.43	-9.57	-9.71	-9.83	-9.94	-10.04	-10.13	-10.22
102.0	-3.20	-3.14	-3.08	-3.05	-3.04	-3.07	-3.15	-3.28	-3.47	-3.75	-4.10	-4.54	-5.06	-5.64	-6.27	-6.93	-7.60	-8.27	-8.92	-9.53
102.5	-7.70	-7.41	-7.14	-6.91	-6.74	-6.66	-6.68	-6.82	-7.11	-7.56	-8.20	-9.03	-10.02	-11.12	-12.26	-13.40	-14.49	-15.48	-16.31	-16.94
103.0	-7.30	-6.58	-5.88	-5.21	-4.60	-4.05	-3.58	-3.22	-2.97	-2.86	-2.90	-3.10	-3.45	-3.92	-4.49	-5.14	-5.85	-6.59	-7.35	-8.09
103.5	-7.10	-8.32	-9.52	-10.66	-11.71	-12.65	-13.44	-14.06	-14.48	-14.67	-14.60	-14.26	-13.68	-12.93	-12.05	-11.10	-10.14	-9.21	-8.38	-7.69
104.0	-9.10	-9.65	-10.18	-10.68	-11.11	-11.46	-11.71	-11.84	-11.83	-11.65	-11.30	-10.76	-10.06	-9.27	-8.43	-7.59	-6.80	-6.12	-5.59	-5.27
104.5	-6.60	-6.39	-6.19	-6.00	-5.82	-5.67	-5.54	-5.44	-5.38	-5.37	-5.40	-5.48	-5.61	-5.78	-5.98	-6.21	-6.46	-6.72	-6.98	-7.24
105.0	-10.90	-10.32	-9.75	-9.19	-8.65	-8.13	-7.64	-7.19	-6.78	-6.41	-6.10	-5.85	-5.65	-5.52	-5.45	-5.45	-5.51	-5.63	-5.82	-6.08
105.5	-9.80	-9.18	-8.56	-7.97	-7.41	-6.90	-6.44	-6.05	-5.74	-5.52	-5.40	-5.39	-5.47	-5.64	-5.87	-6.16	-6.49	-6.84	-7.20	-7.56
106.0	-12.50	-11.71	-10.93	-10.17	-9.43	-8.73	-8.08	-7.48	-6.95	-6.48	-6.10	-5.81	-5.59	-5.45	-5.38	-5.37	-5.41	-5.49	-5.60	-5.74
106.5	-4.00	-5.17	-6.31	-7.40	-8.42	-9.34	-10.12	-10.76	-11.22	-11.47	-11.50	-11.29	-10.87	-10.29	-9.60	-8.86	-8.10	-7.37	-6.74	-6.23
107.0	-9.10	-9.75	-10.39	-10.99	-11.54	-12.01	-12.40	-12.68	-12.83	-12.85	-12.70	-12.38	-11.93	-11.37	-10.75	-10.10	-9.46	-8.88	-8.38	-8.01
107.5	-5.40	-6.27	-7.12	-7.93	-8.68	-9.34	-9.89	-10.31	-10.59	-10.69	-10.60	-10.31	-9.85	-9.26	-8.58	-7.87	-7.16	-6.49	-5.92	-5.47
108.0	-8.30	-8.92	-9.53	-10.09	-10.60	-11.04	-11.38	-11.60	-11.69	-11.63	-11.40	-10.99	-10.43	-9.75	-9.00	-8.23	-7.45	-6.72	-6.08	-5.56
108.5	-14.40	-12.92	-11.45	-10.01	-8.63	-7.31	-6.08	-4.94	-3.92	-3.04	-2.30	-1.73	-1.31	-1.06	-0.96	-1.01	-1.21	-1.55	-2.03	-2.65
109.0	-8.90	-8.61	-8.31	-8.01	-7.70	-7.38	-7.04	-6.69	-6.32	-5.92	-5.50	-5.05	-4.60	-4.15	-3.72	-3.35	-3.04	-2.81	-2.68	-2.67
109.5	-6.30	-5.75	-5.21	-4.70	-4.23	-3.81	-3.45	-3.17	-2.97	-2.88	-2.90	-3.04	-3.31	-3.67	-4.14	-4.69	-5.32	-6.01	-6.77	-7.56
110.0	-4.30	-4.33	-4.36	-4.40	-4.44	-4.49	-4.56	-4.64	-4.74	-4.86	-5.00	-5.17	-5.36	-5.59	-5.85	-6.15	-6.49	-6.87	-7.29	-7.77
110.5	-2.40	-2.28	-2.18	-2.11	-2.09	-2.14	-2.26	-2.49	-2.82	-3.29	-3.90	-4.66	-5.56	-6.54	-7.57	-8.63	-9.66	-10.64	-11.53	-12.30
111.0	-6.90	-6.75	-6.60	-6.44	-6.28	-6.10	-5.92	-5.72	-5.50	-5.26	-5.00	-4.72	-4.43	-4.15	-3.91	-3.71	-3.58	-3.54	-3.60	-3.78
111.5	-11.00	-9.94	-8.90	-7.87	-6.87	-5.91	-5.00	-4.14	-3.35	-2.63	-2.00	-1.46	-1.04	-0.73	-0.57	-0.56	-0.73	-1.08	-1.63	-2.40
112.0	-6.80	-7.08	-7.35	-7.59	-7.77	-7.89	-7.92	-7.86	-7.68	-7.36	-6.90	-6.28	-5.56	-4.79	-4.05	-3.38	-2.85	-2.53	-2.47	-2.74
112.5	-10.40	-9.95	-9.51	-9.06	-8.62	-8.18	-7.74	-7.30	-6.86	-6.43	-6.00	-5.58	-5.17	-4.81	-4.49	-4.24	-4.08	-4.02	-4.07	-4.26
113.0	-6.70	-5.74	-4.81	-3.94	-3.14	-2.44	-1.87	-1.45	-1.22	-1.19	-1.40	-1.85	-2.52	-3.35	-4.30	-5.34	-6.40	-7.46	-8.46	-9.35
113.5	-6.60	-6.00	-5.42	-4.87	-4.37	-3.95	-3.61	-3.38	-3.28	-3.31	-3.50	-3.86	-4.36	-4.99	-5.69	-6.45	-7.23	-8.01	-8.75	-9.42
114.0	-6.80	-6.61	-6.42	-6.21	-5.98	-5.73	-5.44	-5.11	-4.73	-4.29	-3.80	-3.24	-2.64	-2.03	-1.43	-0.87	-0.37	-0.31	-0.31	-0.41
114.5	-6.80	-6.69	-6.58	-6.47	-6.35	-6.22	-6.08	-5.93	-5.77	-5.59	-5.40	-5.19	-4.98	-4.80	-4.66	-4.59	-4.61	-4.74	-5.00	-5.41
115.0	-3.50	-4.13	-4.74	-5.32	-5.86	-6.34	-6.74	-7.05	-7.26	-7.35	-7.30	-7.11	-6.81	-6.45	-6.07	-5.72	-5.43	-5.25	-5.22	-5.39
115.5	-3.10	-4.70	-6.27	-7.77	-9.17	-10.42	-11.50	-12.38	-13.01	-13.36	-13.40	-13.11	-12.54	-11.76	-10.83	-9.83	-8.83	-7.88	-7.07	-6.45
116.0	-7.00	-6.92	-6.83	-6.74	-6.65	-6.53	-6.41	-6.27	-6.10	-5.91	-5.70	-5.46	-5.20	-4.95	-4.72	-4.52	-4.37	-4.29	-4.29	-4.39
116.5	-5.40	-5.31	-5.23	-5.18	-5.16	-5.19	-5.28	-5.45	-5.70	-6.04	-6.50	-7.07	-7.73	-8.46	-9.22	-9.98	-10.72	-11.39	-11.99	-12.47
117.0	-2.50	-2.64	-2.78	-2.95	-3.14	-3.37	-3.64	-3.98	-4.37	-4.84	-5.40	-6.04	-6.74	-7.48	-8.20	-8.90	-9.52	-10.05	-10.44	-10.67
117.5	-3.50	-3.46	-3.44	-3.45	-3.51	-3.62	-3.81	-4.08	-4.47	-4.97	-5.60	-6.37	-7.26	-8.24	-9.26	-10.29	-11.30	-12.27	-13.14	-13.90
118.0	-4.60	-3.77	-2.97	-2.25	-1.65	-1.20	-0.94	-0.92	-1.16	-1.71	-2.40	-3.86	-5.11	-7.18	-9.07	-11.00	-12.88	-14.63	-15.16	-17.37
118.5	-4.30	-3.54	-2.82	-2.14	-1.56	-1.08	-0.75	-0.59	-0.62	-0.88	-1.40	-2.18	-3.20	-4.38	-5.67	-7.02	-8.36	-9.65	-10.82	-11.83
119.0	-2.80	-3.96	-5.11	-6.23	-7.30	-8.32	-9.27	-10.14	-10.91	-11.57	-12.10	-12.50	-12.77	-12.92	-12.98	-12.95	-12.84	-12.66	-12.44	-12.18
119.5	-1.0	-1.14	-0.39	-0.66	-0.95	-1.28	-1.66	-2.09	-2.58	-3.15	-3.80	-4.53	-5.33	-6.16	-6.99	-7.78	-8.53	-9.18	-9.71	-10.09
120.0	-9.80	-8.80	-7.83	-6.92	-6.10	-5.40	-4.86	-4.49	-4.34	-4.43	-4.80	-5.45	-6.36	-7.45	-8.69	-10.01	-11.35	-12.67	-13.90	-15.00
120.5	-9.40	-8.70	-8.01	-7.34	-6.70	-6.11	-5.57	-5.10	-4.71	-4.40	-4.20	-4.10	-4.11	-4.20	-4.37	-4.60	-4.89	-5.23	-5.60	-5.99
121.0	-5.20	-5.39	-5.57	-5.74	-5.87	-5.98	-6.04	-6.05	-6.01	-5.89	-5.70	-5.43	-5.10	-4.74	-4.36	-4.01	-3.70	-3.46	-3.41	-3.38

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
121.5	-4.10	4.06	-4.03	4.03	-4.04	4.10	4.21	4.37	4.60	4.91	5.30	5.78	6.34	6.95	7.60	8.26	8.90	9.52	10.09	10.59
122.0	-6.10	-5.38	-4.68	-4.03	-3.43	-2.93	-2.52	-2.25	-2.12	2.17	2.40	2.84	3.45	4.2	-5.07	-6.00	6.97	-7.94	8.87	9.74
122.5	-4.40	-5.12	-5.84	-6.55	-7.25	-7.94	-8.62	9.27	9.91	10.52	11.10	11.65	12.17	12.65	13.08	13.47	13.81	-14.10	14.33	14.50
123.0	-1.30	-1.6	-1.61	-3.03	-4.41	-5.74	-7.00	8.18	9.26	10.24	11.10	11.83	12.44	12.91	13.34	-13.66	13.92	-14.11	14.27	14.39
123.5	-7.30	-7.84	-8.37	-8.86	-9.29	-9.65	-9.92	10.08	10.11	9.99	9.70	9.24	8.64	7.90	7.23	-6.51	5.85	-5.28	4.87	4.66
124.0	-7.30	-7.85	-8.40	-8.95	-9.49	-10.04	10.58	11.12	11.65	12.18	12.70	13.21	13.71	14.17	-14.58	-14.93	15.19	-15.37	15.44	15.39
124.5	-1.70	-3.57	-5.42	-7.22	8.96	10.59	12.11	13.48	14.68	15.70	16.50	-17.07	17.43	17.61	-17.63	17.52	17.31	-17.02	16.69	16.44
125.0	-9.0	-2.56	-4.19	-5.76	-7.25	8.63	10.95	11.83	12.49	12.90	12.90	-13.05	12.96	12.67	12.23	11.67	11.04	-10.38	9.73	9.12
125.5	1.10	1.02	.93	.79	.59	.31	-.08	-.60	1.26	-2.08	3.10	4.31	-5.68	-7.15	-8.67	-10.19	-11.65	13.01	14.20	15.19
126.0	-1.60	-1.66	-1.75	-1.87	-2.05	2.31	-2.66	-3.12	-3.72	-4.48	-5.40	6.50	-7.75	-9.09	10.47	-11.85	13.17	-14.38	15.44	16.30
126.5	2.50	2.20	1.89	1.55	1.17	.74	.24	-.34	-1.01	-1.80	2.70	-3.73	4.87	6.08	-7.35	-8.63	9.91	-11.16	-12.34	13.43
127.0	.90	-.33	-1.54	-2.72	-3.86	-4.94	-5.94	-6.85	-7.66	8.35	8.90	9.31	9.59	9.78	9.90	-9.97	-10.02	-10.09	10.19	10.35
127.5	-7.40	-7.90	-8.39	-8.85	-9.27	9.63	9.92	10.13	10.23	10.23	10.10	9.84	9.48	9.06	8.63	8.22	7.88	-7.64	-7.56	7.66
128.0	-2.70	-3.24	-3.78	-4.29	-4.78	5.23	5.63	5.98	6.27	6.47	6.60	6.64	6.61	6.55	6.48	-6.42	-6.41	-6.48	6.65	6.95
128.5	-1.30	-2.45	-3.57	-4.66	-5.68	6.61	7.44	8.15	8.71	9.10	9.30	9.30	9.14	8.85	8.49	-8.09	-7.70	7.36	-7.12	7.02
129.0	-12.50	-11.55	-10.60	-9.67	-8.77	-7.90	-7.08	-6.31	5.60	4.96	-4.40	-3.93	-3.54	-3.26	-3.07	-2.99	-3.02	-3.16	3.42	3.80
129.5	-7.40	-8.25	-9.07	-9.84	-10.53	11.11	11.56	11.86	11.96	11.85	11.50	10.90	-10.09	9.13	-8.08	-6.99	5.93	4.95	-4.12	3.48
130.0	-6.40	-7.21	-7.99	-8.73	-9.39	14.37	15.39	-16.24	16.88	-17.27	17.40	-17.24	-16.83	-16.21	-15.43	-14.53	-13.56	-12.57	11.60	10.69
130.5	-3.30	-3.29	-3.28	-3.28	-3.30	3.33	3.38	3.46	3.57	3.72	3.90	-4.13	4.39	-4.69	-5.01	-5.35	-5.72	-6.09	6.46	6.83
131.0	-5.70	-6.55	-7.38	-8.16	-8.88	9.52	10.05	-10.46	10.72	10.80	10.70	-10.40	-9.92	-9.31	-8.60	-7.85	-7.07	-6.32	-5.63	5.05
132.0	-12.20	-11.59	-10.99	-10.41	9.85	9.32	8.84	8.41	8.03	7.73	7.50	-7.35	-7.27	-7.25	-7.27	-7.32	-7.38	-7.45	-7.50	-7.52
132.5	8.20	-7.49	-6.80	6.14	-5.52	4.97	4.50	-4.12	3.85	-3.70	3.70	-3.85	-4.14	-4.55	-5.08	-5.71	-6.42	-7.20	8.03	8.90
133.0	6.80	6.15	5.52	4.94	-4.42	-4.01	-3.71	-3.56	3.58	-3.78	4.20	4.85	-5.68	-6.65	7.71	8.81	9.89	-10.91	11.82	12.57
133.5	-7.00	-6.13	-5.28	-4.46	3.69	2.98	2.35	1.81	-1.38	-1.07	-.90	-.88	-1.01	-1.28	-1.69	-2.21	-2.85	-3.60	-4.44	5.38
134.0	-5.90	-5.50	-5.11	4.74	4.39	4.07	3.78	3.55	3.37	3.25	3.20	3.23	-3.33	-3.50	-3.75	-4.06	-4.43	-4.86	5.35	5.90
134.5	-3.90	-3.58	-3.30	3.07	2.92	2.89	3.00	3.27	3.75	4.45	-5.40	6.62	8.06	9.67	-11.37	-13.11	-14.83	-16.47	-17.97	-19.27
135.0	6.60	5.40	4.24	3.16	2.19	-1.39	-7.78	4.40	3.1	5.3	-1.10	-2.05	-3.31	-4.80	-6.45	-8.16	-9.86	-11.46	12.89	14.07
135.5	-8.10	-7.07	-6.05	-5.06	-4.12	-3.23	-2.41	-1.67	-1.03	-.50	-.10	-.17	-.29	-.29	-.15	-.12	-.51	-1.03	-1.67	-2.43
136.0	-15.90	-13.77	-11.69	-9.69	-7.82	-6.11	-4.62	-3.38	-2.44	-1.83	-1.60	-1.78	-2.32	-3.18	-4.30	-5.62	-7.09	-8.66	-10.27	11.87
136.5	-6.20	-6.11	-6.03	-5.96	-5.93	5.94	5.99	-6.10	-6.29	6.55	-6.90	7.34	-7.87	8.44	-9.06	-9.69	-10.32	-10.93	11.49	11.99
137.0	.70	.61	.51	.40	.26	.09	-.11	-.37	-.68	-1.05	1.50	-2.02	-2.62	-3.28	-4.01	-4.78	-5.61	-6.49	-7.39	8.33
137.5	-5.80	-5.31	-4.82	-4.35	-3.92	-3.52	-3.16	-2.86	-2.63	-2.47	-2.40	-2.42	-2.54	-2.78	-3.13	-3.62	-4.24	-5.01	-5.94	7.03
138.0	-7.40	-7.56	-7.71	-7.86	-8.00	-8.13	-8.24	-8.34	-8.42	-8.47	-8.50	-8.50	-8.51	-8.54	-8.64	-8.82	-9.12	-9.57	-10.20	11.03
138.5	-8.40	-8.42	-8.44	-8.46	-8.48	-8.51	-8.54	-8.57	-8.61	-8.65	-8.70	-8.76	-8.84	-8.96	-9.14	-9.40	-9.74	-10.20	10.78	11.51
139.0	-1.80	-3.39	-4.95	-6.43	-7.81	-9.05	-10.11	10.96	-11.57	-11.89	-11.90	-11.58	-10.98	-10.19	-9.30	-8.37	-7.49	-6.75	6.21	5.97
139.5	-.80	-1.63	-2.46	-3.29	-4.11	-4.92	-5.73	-6.52	-7.29	-8.06	-8.80	-9.52	-10.23	-10.91	-11.56	-12.18	-12.78	-13.34	-13.86	14.35
140.0	-2.50	-3.43	-4.36	-5.25	-6.11	-6.93	-7.67	-8.35	-8.94	-9.42	-9.80	-10.06	-10.21	-10.29	-10.31	-10.29	-10.25	-10.22	10.23	10.28
140.5	-1.60	-2.42	-3.25	-4.08	-4.91	-5.74	-6.58	-7.43	8.28	9.13	-10.00	-10.87	-11.74	-12.60	-13.44	-14.24	-14.99	-15.68	16.30	16.85
141.0	-7.20	-7.27	-7.35	-7.44	-7.53	-7.65	-7.78	-7.94	-8.13	-8.34	-8.60	-8.89	-9.23	-9.59	-9.99	-10.42	-10.87	-11.35	11.85	12.37
141.5	-7.20	-6.37	-5.57	-4.84	-4.20	-3.68	-3.31	-3.13	-3.16	-3.44	-4.00	-4.85	-5.96	-7.76	8.72	-10.26	-11.85	-13.42	14.92	16.49
142.0	-1.70	-2.20	-2.69	-3.16	-3.61	-4.01	-4.38	-4.69	-4.93	-5.11	-5.20	-5.21	-5.16	-5.09	-5.02	-4.99	-5.04	-5.19	5.48	5.91
142.5	-8.30	-8.22	-8.13	-8.04	-7.96	-7.87	-7.78	-7.69	-7.60	-7.50	-7.40	-7.30	-7.22	-7.17	-7.17	-7.24	-7.40	-7.67	8.06	8.60

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
143.0	-10.60	-10.40	-10.19	-10.00	-9.82	-9.66	-9.51	-9.39	-9.29	-9.23	-9.20	-9.21	-9.26	-9.34	-9.45	-9.59	-9.75	-9.93	-10.14	-10.36
143.5	-5.50	-5.67	-5.86	-6.08	-6.34	-6.67	-7.06	-7.55	-8.14	-8.85	-9.70	-10.69	-11.79	-12.96	-14.18	-15.39	-16.57	-17.68	-18.68	-19.53
144.0	-7.10	-6.89	-6.70	-6.53	-6.41	-6.35	-6.36	-6.45	-6.65	-6.96	-7.36	-7.98	-8.67	-9.45	-10.29	-11.16	-12.02	-12.86	-13.64	-14.33
144.5	-7.20	-7.01	-6.83	-6.70	-6.62	-6.63	-6.74	-6.97	-7.35	-7.88	-8.40	-9.51	-10.58	-11.78	-13.06	-14.38	-15.70	-16.98	-18.19	-19.27
145.0	-11.70	-10.98	-10.29	-9.65	-9.10	-8.66	-8.36	-8.22	-8.28	-8.57	-9.10	-9.90	-10.92	-12.11	-13.40	-14.76	-16.11	-17.41	-18.59	-19.61
145.5	-5.10	-5.39	-5.69	-5.98	-6.26	-6.55	-6.83	-7.11	-7.38	-7.64	-7.90	-8.15	-8.39	-8.64	-8.88	-9.12	-9.38	-9.64	-9.91	-10.20
146.0	-5.80	-6.87	-7.93	-8.96	-9.95	-10.89	-11.76	-12.55	-13.25	-13.83	-14.30	-14.64	-14.85	-14.95	-14.95	-14.87	-14.72	-14.50	-14.23	-13.93
146.5	-6.60	-7.46	-8.32	-9.16	-9.99	-10.80	-11.58	-12.32	-13.03	-13.69	-14.30	-14.86	-15.35	-15.77	-16.11	-16.37	-16.53	-16.60	-16.55	-16.39
147.0	-5.70	-6.53	-7.36	-8.17	-8.95	-9.71	-10.42	-11.08	-11.69	-12.23	-12.70	-13.09	-13.40	-13.63	-13.78	-13.86	-13.87	-13.81	-13.67	-13.47
147.5	-4.50	-4.50	-4.52	-4.58	-4.69	-4.89	-5.18	-5.59	-6.13	-6.83	-7.70	-8.76	-9.95	-11.24	-12.56	-13.88	-15.12	-16.25	-17.20	-17.94
148.0	-7.00	-7.02	-7.05	-7.09	-7.14	-7.22	-7.32	-7.45	-7.62	-7.84	-8.10	-8.41	-8.76	-9.14	-9.53	-9.92	-10.30	-10.65	-10.96	-11.21
148.5	-13.00	-13.46	-13.91	-14.33	-14.71	-15.04	-15.31	-15.50	-15.61	-15.61	-15.50	-15.27	-14.93	-14.51	-14.02	-13.50	-12.95	-12.41	-11.89	-11.41
149.0	-13.00	-12.35	-11.74	-11.18	-10.73	-10.41	-10.25	-10.29	-10.55	-10.81	-11.90	-13.03	-14.40	-15.94	-17.55	-19.17	-20.71	-22.08	-23.21	-24.01
149.5	-8.10	-8.07	-8.06	-8.10	-8.22	-8.44	-8.78	-9.27	-9.94	-10.81	-11.90	-13.22	-14.73	-16.34	-17.99	-19.60	-21.12	-22.45	-23.54	-24.31
150.0	-11.60	-10.08	-8.62	-7.25	-6.04	-5.03	-4.27	-3.82	-3.73	-4.03	-4.80	-6.05	-7.70	-9.67	-11.84	-14.12	-16.42	-18.62	-20.63	-22.36
150.5	-8.30	-7.40	-6.55	-5.80	-5.20	-4.80	-4.64	-4.79	-5.28	-6.17	-7.50	-9.30	-11.50	-13.97	-16.61	-19.31	-21.96	-24.45	-26.68	-28.53
151.0	-12.50	-12.91	-13.33	-13.76	-14.21	-14.68	-15.19	-15.74	-16.34	-16.99	-17.70	-18.47	-19.28	-20.10	-20.90	-21.65	-22.33	-22.90	-23.34	-23.61
151.5	-8.80	-11.21	-13.58	-15.85	-18.00	-19.96	-21.69	-23.16	-24.32	-25.11	-25.50	-25.46	-25.03	-24.28	-23.27	-22.06	-20.73	-19.32	-17.90	-16.54
152.0	-10.40	-11.91	-13.40	-14.81	-16.12	-17.29	-18.29	-19.09	-19.64	-19.93	-19.90	-19.55	-18.91	-18.03	-16.99	-15.82	-14.58	-13.34	-12.14	-11.04
152.5	-11.10	-12.81	-14.48	-16.07	-17.54	-18.85	-19.96	-20.83	-21.42	-21.69	-21.60	-21.13	-20.33	-19.26	-18.00	-16.61	-15.16	-13.71	-12.34	-11.12
153.0	-9.60	-10.58	-11.55	-12.46	-13.31	-14.08	-14.73	-15.25	-15.62	-15.81	-15.80	-15.58	-15.18	-14.64	-14.00	-13.29	-12.56	-11.85	-11.19	-10.63
153.5	-6.80	-6.77	-6.76	-6.76	-6.78	-6.77	-6.79	-6.83	-6.90	-6.99	-7.10	-7.24	-7.42	-7.63	-7.88	-8.17	-8.50	-8.87	-9.30	-9.77
154.0	-12.80	-12.20	-11.61	-11.04	-10.51	-10.02	-9.60	-9.24	-8.96	-8.78	-8.70	-8.73	-8.88	-9.12	-9.46	-9.88	-10.38	-10.95	-11.58	-12.27
154.5	-6.30	-6.18	-6.08	-6.00	-5.96	-5.98	-6.06	-6.22	-6.47	-6.82	-7.30	-7.90	-8.61	-9.39	-10.23	-11.09	-11.96	-12.80	-13.58	-14.29
155.0	-23.90	-21.67	-19.48	-17.35	-15.31	-13.41	-11.67	-10.13	-8.82	-7.76	-7.00	-6.55	-6.38	-6.45	-6.70	-7.10	-7.59	-8.13	-8.68	-9.18
155.5	-8.50	-9.08	-9.64	-10.18	-10.69	-11.14	-11.54	-11.87	-12.11	-12.26	-12.30	-12.23	-12.05	-11.78	-11.45	-11.05	-10.61	-10.13	-9.65	-9.17
156.0	-16.10	-15.78	-15.46	-15.14	-14.81	-14.48	-14.14	-13.79	-13.44	-13.08	-12.70	-12.31	-11.91	-11.50	-11.08	-10.66	-10.22	-9.77	-9.32	-8.86
156.5	-5.90	-5.91	-5.93	-5.96	-6.01	-6.09	-6.20	-6.35	-6.54	-6.79	-7.10	-7.47	-7.88	-8.31	-8.74	-9.15	-9.51	-9.79	-9.99	-10.06
157.0	-10.10	-10.01	-9.93	-9.86	-9.82	-9.80	-9.82	-9.88	-10.00	-10.17	-10.40	-10.70	-11.05	-11.41	-11.77	-12.09	-12.36	-12.54	-12.60	-12.53
157.5	-9.30	-10.33	-11.36	-12.40	-13.44	-14.48	-15.54	-16.61	-17.69	-18.79	-19.90	-21.02	-22.12	-23.15	-24.08	-24.84	-25.42	-25.75	-25.81	-25.54
158.0	-13.50	-12.51	-11.55	-10.66	-9.87	-9.22	-8.74	-8.46	-8.43	-8.66	-9.20	-10.06	-11.18	-12.48	-13.88	-15.29	-16.65	-17.85	-18.84	-19.51
158.5	-5.60	-6.30	-7.00	-7.71	-8.41	-9.12	-9.83	-10.54	-11.26	-11.98	-12.70	-13.43	-14.13	-14.81	-15.42	-15.96	-16.41	-16.73	-16.92	-16.95
159.0	-6.40	-6.55	-6.72	-6.90	-7.10	-7.34	-7.61	-7.94	-8.32	-8.78	-9.30	-9.90	-10.56	-11.24	-11.92	-12.57	-13.16	-13.67	-14.06	-14.32
159.5	-3.30	-3.71	-4.12	-4.54	-4.96	-5.39	-5.83	-6.28	-6.74	-7.21	-7.70	-8.20	-8.71	-9.21	-9.68	-10.11	-10.48	-10.78	-10.99	-11.10
160.0	-7.50	-7.38	-7.26	-7.17	-7.09	-7.04	-7.03	-7.06	-7.15	-7.29	-7.50	-7.78	-8.11	-8.47	-8.85	-9.22	-9.56	-9.84	-10.06	-10.19
160.5	-15.70	-14.19	-12.71	-11.29	-9.95	-8.72	-7.64	-6.73	-6.01	-5.53	-5.30	-5.34	-5.62	-6.08	-6.68	-7.36	-8.07	-8.78	-9.42	-9.94
161.0	-14.20	-13.58	-12.96	-12.36	-11.77	-11.20	-10.65	-10.13	-9.65	-9.20	-8.80	-8.45	-8.14	-7.87	-7.64	-7.44	-7.27	-7.13	-7.00	-6.89
161.5	-8.80	-10.54	-12.24	-13.83	-15.29	-16.56	-17.59	-18.34	-18.75	-18.79	-18.40	-17.56	-16.33	-14.80	-13.06	-11.20	-9.29	-7.43	-5.70	-4.20
162.0	-8.00	-10.99	-13.91	-16.67	-19.21	-21.44	-23.30	-24.69	-25.56	-25.82	-25.40	-24.25	-22.48	-20.22	-17.60	-14.76	-11.83	-8.94	-6.24	-3.85
162.5	-18.40	-20.45	-22.43	-24.28	-25.93	-27.30	-28.33	-28.95	-29.10	-28.71	-27.70	-26.05	-23.84	-21.20	-18.27	-15.16	-12.00	-8.92	-6.04	-3.49
163.0	-15.40	-15.77	-16.12	-16.42	-16.64	-16.75	-16.74	-16.58	-16.23	-15.68	-14.90	-13.88	-12.65	-11.27	-9.78	-8.25	-6.73	-5.26	-3.90	-2.69
163.5	-8.90	-9.01	-9.12	-9.20	-9.26	-9.27	-9.23	-9.14	-8.98	-8.73	-8.40	-7.97	-7.46	-6.89	-6.27	-5.63	-4.97	-4.32	-3.70	-3.12
164.0	-11.10	-10.60	-10.10	-9.60	-9.12	-8.64	-8.18	-7.73	-7.30	-6.89	-6.50	-6.14	-5.80	-5.47	-5.17	-4.87	-4.58	-4.29	-4.00	-3.70

ASPECT

BISTATIC ANGLE

ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
164.5	6.50	6.68	6.86	7.02	-7.17	7.30	7.40	7.46	7.49	7.47	7.40	7.28	7.10	6.88	6.62	6.32	-5.99	5.62	5.23	4.82
165.0	-5.80	-6.20	-6.58	-6.95	-7.29	-7.59	-7.85	-8.04	-8.18	-8.23	-8.20	-8.08	-7.87	-7.59	-7.25	-6.85	-6.40	-5.93	-5.43	-4.92
165.5	-7.50	-7.04	-6.59	-6.16	-5.73	-5.33	-4.95	-4.60	-4.29	-4.02	-3.80	-3.63	-3.49	-3.39	-3.32	-3.25	-3.20	-3.13	-3.05	-2.94
166.0	-10.10	-9.25	-8.40	-7.58	-6.77	-5.99	-5.25	-4.55	-3.91	-3.32	-2.80	-2.35	-1.97	-1.65	-1.38	-1.17	-99	-86	-75	-67
166.5	-12.50	-11.35	-10.21	-9.09	-7.99	-6.93	-5.91	-4.93	-4.02	-3.17	-2.40	-1.71	-1.10	-57	-11	-27	-57	-80	-97	-107
167.0	-23.40	-20.89	-18.40	-15.96	-13.59	-11.31	-9.14	-7.11	-5.25	-3.57	-2.10	-85	-18	-100	-165	-211	-243	-260	-264	-257
167.5	-13.10	-11.97	-10.84	-9.71	-8.60	-7.51	-6.43	-5.38	-4.35	-3.36	-2.40	-1.48	-61	-19	-91	-154	-206	-246	-272	-281
168.0	-6.80	-6.76	-6.71	-6.63	-6.51	-6.32	-6.07	-5.72	-5.27	-4.70	-4.00	-3.16	-2.22	-1.22	-21	-76	-166	-242	-301	-339
168.5	-7.50	-7.57	-7.61	-7.62	-7.57	-7.44	-7.22	-6.89	-6.42	-5.79	-5.00	-4.03	-2.92	-1.73	-52	-66	-175	-269	-344	-393
169.0	-9.20	-9.21	-9.19	-9.14	-9.02	-8.83	-8.53	-8.11	-7.54	-6.81	-5.90	-4.80	-3.55	-2.22	-87	-44	-166	-271	-354	-409
169.5	-6.80	-7.48	-8.12	-8.70	-9.19	-9.54	-9.73	-9.72	-9.48	-8.99	-8.20	-7.10	-5.76	-4.25	-264	-103	-53	-193	-312	-400
170.0	-4.10	-5.39	-6.64	-7.81	-8.84	-9.70	-10.35	-10.73	-10.82	-10.55	-9.90	-8.84	-7.44	-5.79	-4.00	-2.15	-35	-133	-277	-389
170.5	-3.80	-5.45	-7.05	-8.55	-9.90	-11.04	-11.93	-12.51	-12.73	-12.55	-11.90	-10.77	-9.24	-7.41	-5.39	-3.30	-1.23	-70	-239	-372
171.0	-3.20	-5.47	-7.67	-9.75	-11.63	-13.26	-14.57	-15.49	-15.96	-15.92	-15.30	-14.07	-12.33	-10.21	-7.83	-5.33	-2.84	-48	-162	-332
171.5	-3.10	-5.17	-7.19	-9.09	-10.82	-12.31	-13.52	-14.38	-14.83	-14.83	-14.30	-13.22	-11.68	-9.79	-7.67	-5.43	-3.17	-103	-289	-477
172.0	-4.60	-6.09	-7.54	-8.90	-10.12	-11.17	-11.99	-12.53	-12.76	-12.63	-12.10	-11.14	-9.81	-8.21	-6.43	-4.56	-2.68	-89	-174	-269
172.5	-6.90	-8.59	-9.85	-8.86	-9.38	-9.80	-10.08	-10.20	-10.12	-9.83	-9.30	-8.51	-7.50	-6.34	-5.07	-3.76	-2.46	-122	-12	-81
173.0	-6.80	-6.47	-6.13	-5.79	-5.45	-5.09	-4.72	-4.34	-3.95	-3.53	-3.10	-2.65	-2.18	-1.72	-1.26	-83	-43	-08	-22	-45
173.5	-8.40	-7.54	-6.69	-5.86	-5.07	-4.33	-3.64	-3.02	-2.48	-2.04	-1.70	-1.47	-1.34	-1.30	-1.32	-1.40	-1.51	-1.64	-1.78	-1.90
174.0	-3.10	-2.57	-2.06	-1.57	-1.11	-71	-37	-11	-06	-14	-10	-06	-32	-66	-106	-150	-195	-238	-279	-313
174.5	-3.70	-2.91	-2.14	-1.41	-74	-16	-33	-68	-89	-94	-80	-46	-05	-69	-142	-221	-302	-381	-455	-519
175.0	-11.90	-10.12	-8.37	-6.69	-5.10	-3.63	-2.33	-1.21	-31	-34	-70	-76	-56	-33	-48	-122	-205	-291	-377	-458
175.5	-13.10	-11.29	-9.51	-7.78	-6.13	-4.59	-3.19	-1.96	-91	-08	-50	-82	-89	-75	-43	-05	-66	-137	-215	-297
176.0	-11.40	-10.27	-9.14	-8.04	-6.97	-5.95	-4.98	-4.08	-3.26	-2.53	-1.90	-1.38	-98	-70	-55	-54	-66	-94	-137	-195
176.5	-9.30	-8.67	-8.04	-7.41	-6.78	-6.15	-5.51	-4.89	-4.26	-3.63	-3.00	-2.38	-1.79	-1.26	-83	-53	-38	-42	-69	-120
177.0	-4.80	-5.06	-5.31	-5.53	-5.71	-5.84	-5.90	-5.88	-5.77	-5.54	-5.20	-4.73	-4.17	-3.57	-2.97	-2.41	-1.94	-1.62	-1.47	-1.55
177.5	-2.90	-3.92	-4.91	-5.85	-6.71	-7.46	-8.07	-8.52	-8.77	-8.81	-8.60	-8.13	-7.46	-6.64	-5.73	-4.82	-3.94	-3.18	-2.59	-2.25
178.0	1.10	-70	-2.46	-4.15	-5.73	-7.16	-8.42	-9.45	-10.24	-10.73	-10.90	-10.72	-10.25	-9.56	-8.70	-7.75	-6.78	-5.85	-5.03	-4.39
178.5	1.80	-12	-1.54	-3.13	-4.64	-6.04	-7.29	-8.37	-9.25	-9.91	-10.30	-10.42	-10.30	-10.00	-9.55	-9.02	-8.44	-7.87	-7.36	-6.95
179.0	2.80	1.43	-07	-1.26	-2.54	-3.76	-4.90	-5.95	-6.89	-7.72	-8.40	-8.94	-9.35	-9.65	-9.87	-10.04	-10.16	-10.28	-10.41	-10.58
179.5	-14.50	-15.34	-16.17	-16.98	-17.78	-18.55	-19.29	-19.99	-20.65	-21.25	-21.80	-22.29	-22.72	-23.13	-23.51	-23.89	-24.29	-24.71	-25.18	-25.70

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
179.5	-13.10	-13.73	-14.20	-14.54	-14.76	-14.87	-14.90	-14.86	-14.77	-14.64	-14.50	-14.36	-14.23	-14.14	-14.10	-14.13	-14.24	-14.46	-14.80	-15.27
179.0	-18.00	-18.61	-18.90	-18.91	-18.67	-18.22	-17.59	-16.81	-15.94	-14.99	-14.00	-13.01	-12.06	-11.19	-10.41	-9.78	-9.33	-9.09	-9.10	-9.49
178.5	-26.90	-27.50	-27.47	-26.89	-25.82	-24.34	-22.51	-20.40	-18.08	-15.25	-13.55	-11.80	-10.05	-8.35	-6.76	-5.31	-4.07	-3.09	-2.41	-2.16
178.0	-20.90	-21.44	-21.52	-21.19	-20.51	-19.53	-18.29	-16.84	-15.25	-13.55	-11.80	-10.05	-8.35	-6.76	-5.31	-4.07	-3.09	-2.41	-2.08	-2.16
177.5	-13.90	-14.36	-14.57	-14.56	-14.34	-13.96	-13.44	-12.80	-12.08	-11.31	-10.50	-9.69	-8.92	-8.20	-7.56	-7.04	-6.66	-6.44	-6.43	-6.64
177.0	-10.70	-11.11	-11.35	-11.45	-11.43	-11.31	-11.09	-10.81	-10.47	-10.09	-9.70	-9.31	-8.93	-8.59	-8.31	-8.09	-7.97	-7.95	-8.05	-8.29
176.5	-9.50	-9.89	-10.22	-10.50	-10.74	-10.94	-11.11	-11.25	-11.38	-11.49	-11.60	-11.71	-11.82	-11.95	-12.09	-12.26	-12.46	-12.70	-12.98	-13.31
176.0	-9.40	-9.81	-10.26	-10.76	-11.30	-11.87	-12.46	-13.08	-13.71	-14.35	-15.00	-15.65	-16.29	-16.92	-17.54	-18.13	-18.70	-19.24	-19.74	-20.19
175.5	-14.70	-14.92	-15.00	-14.96	-14.82	-14.59	-14.28	-13.91	-13.50	-13.06	-12.60	-12.14	-11.70	-11.29	-10.92	-10.61	-10.38	-10.24	-10.20	-10.28
175.0	-18.30	-18.80	-19.08	-19.15	-19.05	-18.79	-18.40	-17.92	-17.35	-16.74	-16.10	-15.46	-14.85	-14.28	-13.80	-13.41	-13.15	-13.05	-13.12	-13.40
174.5	-11.10	-11.35	-11.60	-11.86	-12.13	-12.40	-12.68	-12.96	-13.24	-13.52	-13.80	-14.08	-14.36	-14.64	-14.92	-15.20	-15.47	-15.74	-16.00	-16.25
174.0	-8.40	-8.57	-9.03	-9.75	-10.70	-11.85	-13.16	-14.61	-16.15	-17.76	-19.40	-21.04	-22.65	-24.19	-25.64	-26.95	-28.10	-29.05	-29.77	-30.23
173.5	-9.60	-10.14	-11.04	-12.26	-13.75	-15.48	-17.40	-19.49	-21.69	-23.98	-26.30	-28.62	-30.91	-33.11	-35.20	-37.12	-38.85	-40.34	-41.56	-42.46
173.0	-9.00	-9.61	-10.41	-11.36	-12.45	-13.66	-14.97	-16.36	-17.80	-19.29	-20.80	-22.31	-23.80	-25.24	-26.63	-27.94	-29.15	-30.24	-31.19	-31.99
172.5	-8.60	-9.59	-10.83	-12.31	-13.99	-15.84	-17.84	-19.95	-22.15	-24.41	-26.70	-28.99	-31.25	-33.45	-35.56	-37.56	-39.41	-41.09	-42.57	-43.81
172.0	-14.50	-15.44	-15.44	-15.78	-16.04	-16.25	-16.40	-16.51	-16.59	-16.65	-16.70	-16.75	-16.81	-16.89	-17.00	-17.15	-17.36	-17.62	-17.96	-18.38
171.5	-22.20	-22.97	-23.35	-23.37	-23.10	-22.57	-21.81	-20.89	-19.83	-18.69	-17.50	-16.31	-15.17	-14.11	-13.19	-12.44	-11.90	-11.63	-11.65	-12.03
171.0	-16.70	-17.42	-17.94	-18.27	-18.43	-18.45	-18.36	-18.18	-17.92	-17.62	-17.30	-16.98	-16.68	-16.42	-16.24	-16.15	-16.17	-16.33	-16.66	-17.18
170.5	-13.50	-14.28	-15.03	-15.77	-16.49	-17.20	-17.89	-18.58	-19.26	-19.93	-20.60	-21.27	-21.94	-22.62	-23.31	-24.00	-24.71	-25.43	-26.17	-26.92
170.0	-16.50	-17.67	-18.83	-19.97	-21.11	-22.23	-23.36	-24.47	-25.58	-26.69	-27.80	-28.91	-30.02	-31.13	-32.24	-33.36	-34.49	-35.63	-36.77	-37.93
169.5	-19.10	-19.38	-19.56	-19.65	-19.67	-19.63	-19.52	-19.38	-19.21	-19.01	-18.80	-18.59	-18.39	-18.22	-18.08	-17.98	-17.93	-17.95	-18.04	-18.22
169.0	-11.00	-10.47	-10.21	-10.20	-10.39	-10.77	-11.29	-11.94	-12.67	-13.47	-14.30	-15.13	-15.93	-16.66	-17.31	-17.83	-18.21	-18.40	-18.39	-18.13
168.5	-16.60	-16.98	-17.29	-17.54	-17.74	-17.90	-18.03	-18.12	-18.19	-18.25	-18.30	-18.35	-18.41	-18.48	-18.57	-18.70	-18.86	-19.06	-19.31	-19.62
168.0	-4.90	-5.66	-6.66	-7.85	-9.23	-10.76	-12.41	-14.17	-16.00	-17.89	-19.80	-21.71	-23.60	-25.43	-27.19	-28.84	-30.37	-31.75	-32.94	-33.94
167.5	-9.20	-9.72	-10.25	-10.81	-11.37	-11.94	-12.52	-13.11	-13.70	-14.30	-14.90	-15.50	-16.10	-16.69	-17.28	-17.86	-18.43	-18.99	-19.54	-20.08
167.0	-16.60	-16.09	-15.47	-14.77	-13.98	-13.12	-12.21	-11.25	-10.25	-9.23	-8.20	-7.17	-6.15	-5.15	-4.19	-3.28	-2.42	-1.63	-0.93	-0.31
166.5	-7.80	-8.03	-8.44	-9.02	-9.75	-10.60	-11.56	-12.60	-13.70	-14.84	-16.00	-17.16	-18.30	-19.40	-20.44	-21.40	-22.25	-22.98	-23.56	-23.97
166.0	-20.30	-20.51	-20.38	-19.95	-19.25	-18.32	-17.21	-15.94	-14.55	-13.10	-11.60	-10.10	-8.65	-7.26	-5.99	-4.88	-3.95	-3.25	-2.82	-2.69
165.5	-24.90	-24.64	-24.08	-23.25	-22.20	-20.95	-19.54	-17.99	-16.35	-14.64	-12.90	-11.16	-9.45	-7.81	-6.26	-4.85	-3.60	-2.55	-1.72	-1.16
165.0	-20.10	-20.21	-19.97	-19.40	-18.55	-17.46	-16.17	-14.72	-13.14	-11.49	-9.80	-8.11	-6.46	-4.88	-3.43	-2.14	-1.05	-0.20	-0.37	-0.61
164.5	-11.60	-11.01	-10.53	-10.15	-9.86	-9.64	-9.48	-9.36	-9.29	-9.24	-9.20	-9.16	-9.11	-9.04	-8.92	-8.76	-8.54	-8.25	-7.87	-7.39
164.0	-6.20	-5.88	-5.88	-6.16	-6.69	-7.42	-8.32	-9.37	-10.52	-11.74	-13.00	-14.26	-15.48	-16.63	-17.68	-18.58	-19.31	-19.84	-20.12	-20.12
163.5	-8.00	-7.40	-6.87	-6.42	-6.03	-5.69	-5.40	-5.15	-4.92	-4.70	-4.50	-4.30	-4.08	-3.85	-3.60	-3.30	-2.97	-2.58	-2.13	-1.60
163.0	-7.70	-7.14	-6.67	-6.28	-5.96	-5.71	-5.50	-5.34	-5.21	-5.10	-5.00	-4.90	-4.79	-4.66	-4.50	-4.29	-4.04	-3.72	-3.33	-2.86
162.5	-10.90	-10.81	-10.76	-10.75	-10.78	-10.84	-10.92	-11.02	-11.14	-11.27	-11.40	-11.53	-11.66	-11.78	-11.88	-11.96	-12.02	-12.05	-12.04	-11.99
162.0	-12.60	-13.31	-13.92	-14.44	-14.89	-15.28	-15.60	-15.89	-16.15	-16.38	-16.60	-16.82	-17.05	-17.31	-17.60	-17.92	-18.31	-18.76	-19.28	-19.89
161.5	-12.60	-13.31	-13.92	-14.44	-14.89	-15.28	-15.60	-15.89	-16.15	-16.38	-16.60	-16.82	-17.05	-17.31	-17.60	-17.92	-18.31	-18.76	-19.28	-19.89
161.0	-15.20	-16.05	-16.65	-17.03	-17.22	-17.23	-17.11	-16.88	-16.57	-16.20	-15.80	-15.40	-15.03	-14.72	-14.49	-14.37	-14.38	-14.57	-14.95	-15.55
160.5	-14.40	-14.86	-15.27	-15.64	-15.98	-16.30	-16.59	-16.86	-17.11	-17.36	-17.60	-17.84	-18.09	-18.34	-18.61	-18.90	-19.22	-19.56	-19.91	-20.34
160.0	-8.60	-8.55	-8.46	-8.33	-8.17	-7.99	-7.78	-7.55	-7.31	-7.06	-6.80	-6.54	-6.29	-6.05	-5.82	-5.62	-5.41	-5.27	-5.14	-5.05
159.5	-6.80	-6.64	-6.46	-6.32	-6.12	-7.52	-8.03	-8.60	-9.24	-9.91	-10.60	-11.29	-11.96	-12.60	-13.17	-13.68	-14.08	-14.38	-14.54	-14.56
159.0	-7.70	-7.87	-8.14	-8.52	-8.98	-9.52	-10.12	-10.77	-11.46	-12.17	-12.90	-13.63	-14.34	-15.03	-15.68	-16.28	-16.82	-17.28	-17.66	-17.93
158.5	-8.90	-9.24	-9.57	-9.87	-10.16	-10.44	-10.70	-10.96	-11.21	-11.46	-11.70	-11.94	-12.19	-12.44	-12.70	-12.96	-13.24	-13.53	-13.83	-14.16

ASPECT

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
158.0	-4.00	4.58	-5.13	-5.83	6.65	-7.58	8.59	9.66	10.77	11.90	-13.03	14.14	-15.21	-16.22	17.15	-17.97	-18.67	19.22	19.60
157.5	-13.70	-13.90	-13.75	-13.47	13.07	-12.57	12.00	-11.36	10.69	10.00	9.31	8.64	8.00	-7.43	6.93	6.53	-6.25	6.10	6.11
157.0	-12.30	-12.91	-13.27	-13.66	14.08	-14.52	14.97	-15.44	15.92	16.40	-16.88	17.36	-17.83	-18.28	-18.72	-19.14	-19.53	19.89	-20.21
156.5	-7.60	-8.02	-8.76	-9.81	-12.64	-14.35	-16.21	-18.18	-20.22	-22.30	-24.38	-26.42	-28.39	-30.25	-31.96	-33.49	-34.79	35.84	36.58
156.0	-10.60	-10.96	-11.20	-11.33	-11.31	-11.19	-11.02	-10.80	-10.56	-10.30	-10.04	-9.80	-9.58	-9.24	-9.29	-9.41	-9.27	9.41	9.64
155.5	-13.50	-14.70	-15.91	-17.14	-18.38	-20.90	-22.17	-23.44	-24.72	-26.00	-27.28	-28.56	-29.83	-31.10	-32.37	-33.62	-34.86	36.09	37.30
155.0	-5.50	-5.26	-5.13	-5.14	-5.26	-5.44	-5.66	-5.92	-6.20	-6.50	-6.80	-7.08	-7.34	-7.56	-7.74	-7.86	-7.90	-7.87	-7.74
154.5	-12.10	-12.43	-12.66	-12.86	-12.85	-12.79	-12.68	-12.54	-12.37	-12.20	-12.03	-11.86	-11.72	-11.61	-11.55	-11.54	-11.60	-11.74	11.97
154.0	-11.30	-11.01	-10.63	-10.17	-9.04	-8.39	-7.71	-6.99	6.25	5.50	-4.75	-4.01	-3.29	-2.61	-1.96	-1.36	-0.83	-0.37	0.1
153.5	-8.60	-9.07	-9.54	-10.01	-10.96	-11.42	-11.89	-12.36	-12.83	-13.30	-13.77	-14.24	-14.71	-15.18	-15.65	-16.11	-16.59	-17.06	-17.53
153.0	-8.20	-7.95	-7.82	-7.79	-7.86	-8.00	-8.20	-8.45	-8.75	-9.07	-9.40	-9.73	-10.05	-10.35	-10.60	-10.94	-11.01	-10.98	-10.85
152.5	-3.60	-4.84	-6.22	-7.71	-9.31	-10.99	-12.74	-14.56	-16.41	-18.30	-20.20	-23.99	-25.84	-27.66	-29.41	-31.09	-32.69	-34.18	-35.56
152.0	-9.80	-10.05	-10.40	-10.83	-11.33	-11.90	-12.51	-13.17	-13.86	-14.58	-15.30	-16.02	-16.74	-17.43	-18.09	-18.70	-19.27	-20.20	-20.55
151.5	-4.30	-4.52	-4.99	-5.69	-6.57	-7.62	-8.81	-10.11	-11.50	-12.93	-14.40	-15.87	-17.30	-18.69	-19.99	-21.18	-22.23	-23.11	-24.28
151.0	-2.30	-2.30	-2.54	-3.07	-3.85	-4.86	-6.05	-7.38	-8.83	-10.34	-11.90	-13.46	-14.97	-16.42	-17.75	-18.94	-19.95	-20.73	-21.26
150.5	-4.30	-4.66	-5.30	-6.16	-7.24	-8.50	-9.90	-11.42	-13.03	-14.70	-16.40	-18.10	-19.77	-21.38	-22.90	-24.30	-25.56	-26.64	-27.50
149.5	-5.20	-5.18	-5.50	-6.13	-7.02	-8.15	-9.47	-10.94	-12.53	-14.20	-15.90	-17.60	-19.27	-20.86	-22.33	-23.65	-24.78	-25.67	-26.30
149.0	-6.60	-6.33	-6.29	-6.45	-6.79	-7.28	-7.89	-8.61	-9.39	-10.23	-11.10	-11.97	-12.81	-13.59	-14.31	-14.92	-15.41	-15.91	-15.87
148.5	-7.70	-7.52	-7.30	-7.06	-6.79	-6.49	-6.18	-5.84	-5.50	-5.15	-4.80	-4.45	-4.10	-3.76	-3.42	-3.11	-2.81	-2.54	-2.08
148.0	-10.10	-10.27	-10.30	-10.20	-10.00	-9.71	-9.34	-8.91	-8.43	-7.92	-7.40	-6.88	-6.37	-5.89	-5.46	-5.09	-4.80	-4.50	-4.53
147.5	-10.60	-11.00	-11.16	-11.12	-10.91	-10.54	-10.04	-9.45	-8.77	-8.05	-7.30	-6.55	-5.83	-5.15	-4.56	-4.06	-3.69	-3.48	3.60
147.0	-15.00	-15.40	-15.58	-15.57	-15.38	-15.04	-14.58	-14.02	-13.39	-12.71	-12.00	-11.29	-10.61	-9.98	-9.42	-8.96	-8.62	-8.43	-8.60
146.5	-8.40	-9.18	-9.77	-10.20	-10.48	-10.64	-10.70	-10.67	-10.58	-10.45	-10.30	-10.15	-10.02	-9.93	-9.90	-9.96	-10.12	-10.40	-10.83
146.0	-10.80	-11.58	-12.22	-12.74	-13.16	-13.49	-13.74	-13.93	-14.08	-14.20	-14.30	-14.40	-14.52	-14.67	-14.86	-15.11	-15.44	-15.86	-16.38
145.5	-10.40	-10.84	-11.16	-11.40	-11.55	-11.63	-11.66	-11.64	-11.58	-11.49	-11.40	-11.31	-11.22	-11.16	-11.14	-11.16	-11.25	-11.40	-11.64
145.0	-11.70	-12.44	-13.03	-13.48	-13.81	-14.03	-14.17	-14.24	-14.25	-14.24	-14.20	-14.16	-14.15	-14.16	-14.23	-14.37	-14.59	-14.92	-15.37
144.5	-10.70	-10.89	-10.82	-10.53	-10.05	-9.40	-8.61	-7.70	-6.71	-5.67	-4.60	-3.53	-2.49	-1.50	-0.59	0.20	0.85	1.33	1.69
144.0	-13.00	-13.50	-13.85	-14.04	-14.11	-14.08	-13.95	-13.75	-13.50	-13.21	-12.90	-12.59	-12.30	-12.05	-11.85	-11.72	-11.69	-11.76	-12.40
143.5	-9.20	-9.66	-9.89	-9.94	-9.82	-9.55	-9.17	-8.68	-8.13	-7.53	-6.90	-6.27	-5.67	-5.12	-4.63	-4.25	-3.98	-3.91	-4.14
143.0	-6.90	-7.14	-7.40	-7.69	-8.01	-8.34	-8.69	-9.06	-9.43	-9.82	-10.20	-10.58	-10.97	-11.34	-11.71	-12.06	-12.39	-12.71	-13.26
142.5	-5.10	-5.79	-6.70	-7.81	-9.09	-10.51	-12.06	-13.71	-15.43	-17.20	-19.00	-20.80	-22.57	-24.29	-25.94	-27.49	-28.91	-30.19	-32.21
142.0	-9.00	-9.67	-10.41	-11.21	-12.06	-12.96	-13.90	-14.88	-15.87	-16.88	-17.90	-18.92	-19.93	-20.92	-21.90	-22.84	-23.74	-24.59	-25.39
141.5	-4.00	-3.34	-3.19	-3.47	-4.15	-5.17	-6.46	-7.97	-9.66	-11.45	-13.30	-15.15	-16.94	-18.63	-20.14	-21.43	-22.45	-23.13	-23.41
141.0	-8.60	-8.80	-8.94	-9.03	-9.08	-9.09	-9.07	-9.02	-8.96	-8.88	-8.80	-8.72	-8.64	-8.58	-8.53	-8.51	-8.52	-8.57	-8.66
140.5	-10.00	-9.71	-9.51	-9.38	-9.32	-9.31	-9.36	-9.43	-9.54	-9.67	-9.80	-9.93	-10.06	-10.17	-10.24	-10.28	-10.28	-10.09	-9.89
140.0	-11.30	-11.81	-12.16	-12.38	-12.49	-12.49	-12.42	-12.27	-12.08	-11.85	-11.60	-11.35	-11.12	-10.93	-10.78	-10.71	-10.71	-10.82	-11.39
139.5	-12.40	-12.74	-12.99	-13.16	-13.26	-13.30	-13.26	-13.19	-13.10	-13.00	-12.90	-12.81	-12.74	-12.70	-12.69	-12.74	-12.84	-13.01	-13.26
139.0	-4.10	-4.96	-6.23	-7.89	-9.86	-12.13	-14.62	-17.30	-20.12	-23.04	-26.00	-28.96	-31.88	-34.70	-37.38	-39.88	-42.14	-44.11	-47.04
138.5	-5.40	-5.67	-6.13	-6.77	-7.56	-8.48	-9.51	-10.63	-11.82	-13.05	-14.30	-15.55	-16.78	-17.97	-19.09	-20.12	-21.04	-21.83	-22.93
138.0	-9.30	-9.84	-10.34	-10.80	-11.22	-11.62	-11.98	-12.33	-12.66	-12.98	-13.30	-13.62	-13.94	-14.27	-14.62	-14.99	-15.38	-15.80	-16.26
137.5	-9.30	-9.54	-9.75	-9.92	-10.08	-10.22	-10.33	-10.44	-10.53	-10.62	-10.70	-10.78	-10.87	-10.96	-11.07	-11.19	-11.32	-11.48	-11.86
137.0	-7.50	-7.84	-8.24	-8.67	-9.15	-9.66	-10.19	-10.75	-11.32	-11.91	-12.50	-13.09	-13.68	-14.25	-14.81	-15.34	-15.85	-16.33	-17.16

ASPECT
ANGLE

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-136.5	-6.50	-6.63	-7.19	-7.59	8.07	8.61	9.19	9.81	10.45	11.10	-11.75	-12.39	-13.01	-13.59	-14.13	-14.61	-15.01	15.34	15.57
-136.0	-16.00	-16.28	-16.51	-16.49	-16.39	-16.23	-16.01	-15.76	15.49	15.20	-14.91	-14.64	-14.39	-14.17	-14.01	13.91	-13.89	13.96	-14.12
-135.5	-7.60	-7.34	-7.06	-7.02	-7.05	-7.12	-7.23	-7.37	17.16	17.30	-7.87	8.03	-8.17	-8.28	-8.35	-8.38	-8.34	-8.24	-8.06
-135.0	-10.00	-10.39	-11.20	-11.62	-12.05	-12.49	-12.94	-13.39	13.84	-14.30	-14.76	-15.21	-15.66	-16.11	-16.54	16.98	-17.40	-17.81	-18.21
134.5	-10.70	-10.89	-10.90	-10.75	-10.51	-10.19	-9.82	-9.40	-8.96	8.50	-8.04	-7.60	-7.18	-6.81	-6.49	-6.25	-6.10	6.04	6.11
134.0	-6.40	-6.41	-6.44	-6.57	-6.66	6.77	6.90	7.03	7.16	7.30	7.44	7.57	7.70	7.83	7.94	8.03	-8.11	8.16	8.19
-133.5	-8.80	-8.52	-8.29	-8.11	-7.96	-7.77	-7.71	-7.66	-7.63	-7.60	-7.57	-7.54	-7.49	-7.43	-7.35	-7.24	-7.09	6.91	6.68
-133.0	-3.30	-3.77	-4.27	-4.80	-5.34	-5.91	-6.49	-7.08	-7.68	-8.29	-8.90	-9.51	-10.12	-10.72	-11.31	-11.89	-12.46	-13.03	-14.03
-132.5	-11.30	-11.94	-12.40	-12.71	-12.88	-12.93	-12.88	-12.76	-12.57	-12.34	-12.10	-11.86	-11.63	-11.44	-11.32	-11.27	-11.32	-11.49	-12.26
-132.0	-6.80	-7.38	-8.16	-9.13	-10.26	-11.52	-12.90	-14.37	-15.91	-17.49	-20.71	-22.29	-23.83	-25.30	-26.68	-27.94	-29.07	-30.04	30.82
-131.5	-10.50	-11.42	-12.28	-13.09	-13.85	-14.57	-15.25	-15.91	-16.55	-17.18	-17.80	-18.42	-19.05	-20.35	-21.03	-21.75	-22.51	-23.32	24.18
-131.0	-11.30	-11.97	-12.54	-13.04	-13.45	-13.81	-14.11	-14.37	-14.60	-14.80	-15.00	-15.20	-15.40	-15.89	-16.19	-16.55	-16.96	-17.46	-18.03
-130.5	-4.90	-5.31	-5.85	-6.52	-7.29	8.15	9.09	10.09	11.13	12.21	13.30	14.39	15.47	16.51	17.51	18.45	19.31	-20.75	-21.29
-130.0	-5.50	-5.79	-6.15	-6.57	-7.05	-7.57	-8.13	-8.72	-9.33	-9.96	-10.60	-11.24	-11.87	-12.48	-13.07	-13.63	-14.15	-15.05	-15.41
-129.5	-7.00	-7.49	-8.11	-8.84	-9.66	-10.57	-11.56	-12.59	-13.67	-14.78	-15.90	-17.02	-18.13	-19.21	-20.24	-21.23	-22.14	-23.69	-24.31
-129.0	-6.90	-7.16	-7.40	-7.61	-7.80	-7.98	-8.14	-8.29	-8.43	-8.57	-8.70	-8.83	-8.97	-9.11	-9.26	-9.42	-9.60	-10.00	10.24
-128.5	-4.30	-4.97	-5.73	-6.57	-7.46	8.42	9.42	10.46	11.52	12.61	13.70	14.79	15.88	16.94	17.98	18.98	19.94	21.67	22.43
-128.0	-7.30	-7.65	-7.94	-8.17	-8.36	-8.49	-8.60	-8.67	-8.73	-8.77	-8.80	-8.83	-8.87	-8.93	-9.00	-9.24	-9.43	-9.66	9.95
-127.5	-17.10	-17.38	-17.37	-17.10	-16.60	-15.91	-15.06	-14.09	-13.01	-11.87	-10.70	-9.53	-8.39	-7.31	-6.34	-5.49	-4.80	-4.30	-4.02
-127.0	-17.90	-18.01	-17.71	-17.03	-16.03	-14.75	-13.24	-11.54	-9.71	-7.78	-5.80	-3.82	-1.89	-0.06	1.64	3.15	4.43	5.43	6.11
-126.5	-6.40	-6.92	-7.57	-8.35	-9.23	-10.20	-11.25	-12.36	-13.51	14.70	15.90	17.10	18.29	19.44	20.55	21.60	22.57	23.45	24.88
-126.0	-9.30	-9.38	-9.37	-9.29	-9.14	-8.94	-8.68	-8.40	-8.08	-7.74	7.40	7.06	6.72	6.40	6.12	5.87	5.66	5.51	5.43
-125.5	-2.90	-3.07	-3.38	-3.80	-4.32	4.93	5.62	6.36	7.15	7.97	8.80	9.63	10.45	11.24	11.98	12.67	13.28	13.80	-14.53
-125.0	-3.90	-4.16	-4.53	-5.00	-5.54	6.16	6.84	7.56	8.32	9.11	9.90	10.69	11.48	12.24	12.96	13.64	14.26	14.80	-15.64
-124.5	-6.40	-6.77	-7.10	-7.37	-7.61	-7.81	-7.98	-8.13	-8.26	-8.39	-8.50	-8.61	-8.74	-8.87	-9.02	-9.19	-9.3	-9.63	-10.23
-124.0	-6.80	-7.42	-8.00	-8.54	-9.04	9.52	9.96	10.39	10.80	11.20	11.60	12.00	12.40	12.81	13.24	13.69	14.1	14.66	-15.78
-123.5	-6.60	-7.02	-7.44	-7.87	-8.30	8.73	9.17	9.61	10.06	10.51	10.96	11.42	11.88	12.34	12.80	13.27	13.7	14.23	-15.19
-123.0	-10.80	-10.83	-10.81	-10.74	-10.64	-10.50	-10.33	-10.14	-9.94	-9.72	-9.50	-9.28	-9.06	-8.86	-8.67	-8.50	-8.36	-8.26	8.17
-122.5	-13.80	-13.76	-13.38	-12.69	-11.74	-10.57	-9.20	-7.68	-6.05	-4.35	-2.60	-0.85	0.85	2.48	4.00	5.37	6.54	7.49	8.56
-122.0	-12.90	-13.22	-13.27	-13.07	-12.66	-12.06	-11.31	-10.44	-9.48	-8.45	-7.40	-6.35	-5.32	-4.36	-3.49	-2.74	-2.14	-1.73	-1.58
-121.5	-4.00	-3.92	-4.23	-4.88	-5.82	-7.03	-8.45	-10.03	-11.75	-13.55	-15.40	-17.25	-19.05	-20.77	-22.35	-23.77	-24.98	-25.92	-26.88
-121.0	-12.90	-13.47	-13.96	-14.36	-14.70	-14.97	-15.20	-15.38	-15.54	-15.67	-15.80	-15.93	-16.06	-16.22	-16.40	-16.63	-16.90	-17.24	-18.13
-120.5	-6.80	-6.88	-6.97	-7.06	-7.16	-7.26	-7.36	-7.47	-7.58	-7.69	-7.80	-7.91	-8.02	-8.13	-8.24	-8.34	-8.44	-8.54	-8.63
-120.0	-8.40	-9.33	-10.29	-11.28	-12.30	-13.35	-14.42	-15.50	-16.59	-17.69	-18.80	-19.91	-21.01	-22.10	-23.18	-24.25	-25.30	-26.32	-28.27
-119.5	-9.90	-9.50	-9.11	-8.73	-8.37	-8.01	-7.66	-7.31	-6.97	-6.64	-6.30	-5.96	-5.63	-5.29	-4.94	-4.59	-4.23	-3.87	-3.10
-119.0	-7.20	-7.59	-7.91	-8.17	-8.38	-8.54	-8.65	-8.74	-8.81	-8.86	-8.90	-8.94	-8.99	-9.06	-9.15	-9.26	-9.42	-9.63	10.21
-118.5	-8.80	-8.49	-8.16	-7.82	-7.47	-7.11	-6.74	-6.36	-5.98	-5.59	-5.20	-4.81	-4.42	-4.04	-3.66	-3.29	-2.93	-2.58	2.24
-118.0	-12.40	-12.93	-13.21	-13.27	-13.12	-12.81	-12.36	-11.79	-11.14	-10.44	-9.70	-8.96	-8.26	-7.61	-7.04	-6.59	-6.28	6.13	6.47
-117.5	-5.10	-4.22	-3.55	-3.07	-2.76	-2.60	-2.56	-2.61	-2.73	-2.90	-3.10	-3.30	-3.47	-3.59	-3.64	-3.60	-3.44	3.13	1.98
-117.0	-6.70	-6.50	-6.20	-5.81	-5.33	-4.78	-4.20	-3.52	-2.84	-2.12	-1.40	-0.68	0.04	0.72	1.38	1.98	2.53	3.01	3.70
-116.5	-10.50	-10.29	-10.04	-9.74	-9.41	-9.04	-8.64	-8.23	-7.79	-7.35	-6.90	-6.45	-6.01	-5.57	-5.16	4.76	4.39	4.06	3.51
-116.0	-7.60	-8.33	-9.16	-10.06	-11.05	-12.09	-13.19	-14.33	-15.50	-16.70	-17.90	-19.10	-20.30	-21.47	-22.61	23.71	24.75	25.74	27.47
-115.5	-9.30	-9.13	-8.98	-8.85	-8.74	-8.64	-8.56	-8.49	-8.42	-8.36	-8.30	-8.24	-8.18	-8.11	8.04	7.96	7.86	7.75	7.62

BISTATIC ANGLE

ASPECT ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-115.0	9.50	9.25	-9.30	9.62	-10.18	10.94	-11.87	12.93	14.10	15.33	-16.60	17.87	-19.10	20.27	-21.33	22.26	-23.02	-23.58	-23.90	23.95
-114.5	-5.40	-4.97	-4.70	-4.57	-4.57	-4.66	-4.85	-5.10	-5.40	-5.74	6.10	-6.46	6.80	-7.10	-7.35	-7.54	-7.63	-7.63	-7.50	-7.23
-114.0	-7.50	-7.42	-7.19	-6.84	-6.38	-5.83	-5.20	-4.50	-3.76	-2.99	-2.20	-1.41	-64	10	80	1.43	1.98	2.44	2.79	3.02
-113.5	-10.60	-11.40	-12.29	-13.25	-14.29	-15.39	-16.53	-17.71	-18.93	-20.16	-21.40	-22.64	-23.87	-25.09	-26.27	-27.41	-28.51	-29.55	-30.51	-31.40
-113.0	-2.70	-2.17	-1.80	-1.55	-1.43	-1.40	-1.46	-1.59	-1.76	-1.97	-2.20	-2.43	-2.64	-2.81	-2.94	-3.00	-2.97	-2.85	-2.60	-2.23
-112.5	-8.10	-7.82	-7.48	-7.08	-6.63	-6.14	-5.61	-5.06	-4.48	-3.90	-3.30	-2.70	-2.12	-1.54	-99	-46	103	48	88	122
-112.0	-3.60	-3.31	-2.98	-2.63	-2.24	-1.84	-1.41	-97	-52	-6	40	86	132	177	221	264	304	343	378	411
-111.5	1.30	1.38	1.33	1.16	89	52	09	-41	-95	-152	-210	-268	-325	-379	-429	-472	-509	-536	-553	-558
-111.0	-1.60	-1.02	-32	-32	-32	-37	-53	-78	-108	-143	-180	-217	-252	-282	-307	-323	-328	-320	-298	-258
-110.5	-7.30	-6.90	-6.55	-6.25	-5.98	-5.75	-5.55	-5.37	-5.20	-5.05	-4.90	-4.75	-4.60	-4.43	-4.25	-4.05	-3.82	-3.55	-3.25	-2.90
-110.0	-8.20	-8.62	-8.92	-9.11	-9.21	-9.21	-9.16	-9.04	-8.88	-8.70	-8.50	-8.30	-8.12	-7.96	-7.84	-7.79	-7.79	-7.89	-8.08	8.38
-109.5	-4.10	-3.87	-3.80	-3.86	-4.03	-4.31	-4.67	-5.09	-5.57	-6.07	-6.60	-7.13	-7.63	-8.11	-8.53	-8.89	-9.17	-9.34	-9.40	9.33
-109.0	-3.90	-4.02	-4.46	-5.18	-6.15	-7.33	-8.70	-10.20	-11.81	-13.49	-15.20	-16.91	-18.59	-20.20	-21.70	-23.06	-24.25	-25.22	-25.94	-26.38
-108.5	-5.80	-5.77	-5.80	-5.88	-6.01	-6.18	-6.39	-6.62	-6.87	-7.13	-7.40	-7.67	-7.93	-8.18	-8.41	-8.62	-8.79	-8.92	-9.00	-9.03
-108.0	-12.10	-11.91	-11.21	-10.06	-8.51	-6.63	-4.46	-2.07	49	317	590	863	1131	1387	1626	1843	2031	2186	2301	2371
-107.5	-3.50	-2.75	-2.15	-1.70	-1.37	-1.15	-1.01	-95	-93	-96	-100	-104	-107	-105	-99	-85	-63	-30	15	75
-107.0	60	1.15	1.77	2.45	3.20	3.99	4.82	5.69	6.58	7.48	8.40	9.32	10.22	11.11	11.98	12.81	13.60	14.35	15.03	15.65
-106.5	5.20	5.39	5.59	5.81	6.04	6.29	6.54	6.80	7.06	7.33	7.60	7.87	8.14	8.40	8.66	8.92	9.16	9.39	9.61	9.81
-106.0	30	1.33	2.42	3.56	4.75	5.97	7.22	8.49	9.78	11.09	12.40	13.71	15.02	16.31	17.58	18.84	20.05	21.24	22.38	23.47
-105.5	4.40	5.25	6.03	6.73	7.37	7.96	8.50	9.00	9.48	9.95	10.40	10.85	11.32	11.80	12.30	12.85	13.43	14.07	14.77	15.55
-105.0	-2.10	-93	14	111	199	281	356	426	493	557	620	683	747	814	884	960	1041	1129	1226	1333
-104.5	1.00	2.02	2.98	3.88	4.74	5.54	6.32	7.06	7.79	8.50	9.20	9.90	10.61	11.34	12.08	12.85	13.66	14.52	15.42	16.38
-104.0	-1.10	-75	-45	-19	04	25	43	59	73	87	100	113	127	141	157	175	196	219	245	275
-103.5	3.30	3.89	4.29	4.53	4.63	4.61	4.49	4.29	4.03	3.72	3.40	3.08	2.77	2.51	2.31	2.19	2.17	2.27	2.51	2.91
-103.0	-3.90	-2.85	-1.92	-1.09	-35	31	91	145	195	243	290	337	385	435	489	549	615	689	772	865
-102.5	6.20	6.50	6.55	6.39	6.03	5.51	4.85	4.08	3.23	2.33	1.40	47	-43	-128	-205	-271	-323	-359	-375	370
-102.0	10.40	10.39	10.08	9.51	8.72	7.73	6.58	5.30	3.92	2.48	1.00	-48	-192	-330	-458	-573	-672	-751	-808	-839
-101.5	6.80	7.04	7.14	7.11	6.96	6.72	6.39	6.00	5.56	5.09	4.60	4.11	3.64	3.20	2.81	2.48	2.24	2.09	2.06	2.16
-101.0	8.50	7.93	7.13	6.12	4.93	3.58	2.10	52	-114	-286	-460	-634	-806	-972	-1130	-1278	-1413	-1532	-1631	-1713
-100.5	11.10	11.29	11.24	10.99	10.56	9.97	9.25	8.43	7.53	6.58	5.60	4.62	3.67	2.77	1.95	1.23	64	21	04	09
-100.0	12.20	12.19	11.68	10.73	9.39	7.73	5.80	3.64	1.32	-1.11	-3.60	-6.09	-8.52	-10.84	-13.00	-14.93	-16.59	-17.93	-18.88	-19.39
-99.5	5.40	4.50	3.28	1.75	-03	-2.04	-4.23	-6.57	-9.02	-11.54	-14.10	-16.66	-19.18	-21.63	-23.97	-26.16	-28.17	-29.95	-31.48	-32.70
-99.0	5.70	5.50	5.14	4.64	4.02	3.29	2.48	1.59	66	-31	-130	-229	-326	-419	-508	-589	-662	-724	-774	810
-98.0	5.80	5.26	4.53	3.62	2.57	1.39	10	-128	-272	-420	-570	-720	-868	-1012	-1150	-1278	-1397	-1502	-1593	1666
-97.5	1.50	56	-48	-161	-282	-409	-543	-680	-822	-965	-1110	-1255	-1398	-1540	-1677	-1811	-1938	-2059	-2172	-2276
-97.0	3.00	1.78	46	-96	-246	-402	-565	-732	-903	-1076	-1250	-1424	-1597	-1768	-1935	-2098	-2254	-2404	-2546	2678
-96.5	-4.70	-6.32	-7.91	-9.46	-10.98	-12.47	-13.94	-15.40	-16.84	-18.27	-19.70	-21.13	-22.56	-24.00	-25.46	-26.93	-28.42	-29.94	-31.49	-33.08
-96.0	-80	-1.41	-1.81	-2.03	-2.07	-1.98	-1.76	-1.46	-1.08	-65	-20	25	68	106	136	158	167	163	141	101
-95.5	7.10	6.37	5.53	4.61	3.60	2.52	1.39	21	-101	225	350	475	599	721	839	952	1060	1161	1253	-1337
-95.0	5.80	4.94	4.20	3.58	3.06	2.62	2.25	1.94	1.67	1.43	1.20	97	73	46	15	22	66	118	180	254
-94.5	-2.60	-3.40	-4.07	-4.62	-5.08	-5.44	-5.74	-5.98	-6.18	-6.35	-6.50	-6.65	-6.82	-7.02	-7.26	-7.56	-7.92	8.38	8.93	9.60
-94.0	2.70	2.01	1.37	77	20	-33	-84	-132	-179	-225	-270	-315	-361	-408	-456	-507	-560	6.17	6.77	7.41

ASPECT

BISTATIC ANGLE

ASPECT ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-91.5	-2.30	-3.36	-4.38	-5.36	-6.31	-7.23	-8.13	-9.01	-9.88	-10.74	-11.60	-12.46	-13.32	-14.19	-15.07	-15.97	-16.89	-17.84	-18.82	-19.84
-91.0	-5.50	-6.05	-6.46	-6.73	-6.88	-6.94	-6.91	-6.82	-6.67	-6.49	-6.30	-6.11	-5.93	-5.78	-5.69	-5.66	-5.72	-5.87	-6.14	-6.55
-92.5	-7.70	-7.77	-7.59	-7.19	-6.60	-5.85	-4.96	-3.97	-2.89	-1.76	-.60	-.56	1.69	2.77	3.76	4.65	5.40	5.99	6.39	6.57
-92.0	-11.50	-11.83	-11.77	-11.35	-10.63	-9.64	-8.44	-7.06	-5.54	-3.94	-2.30	-.66	.94	2.46	3.84	5.04	6.03	6.75	7.17	7.23
-91.5	-4.30	-5.09	-6.05	-7.14	-8.36	-9.69	-11.11	-12.59	-14.13	-15.71	-17.30	-18.89	-20.47	-22.01	-23.49	-24.91	-26.24	-27.46	-28.55	-29.51
-91.0	2.70	1.84	.76	-.54	-2.01	-3.64	-5.40	-7.26	-9.20	-11.18	-13.20	-15.22	-17.20	-19.14	-21.00	-22.76	-24.39	-25.86	-27.16	-28.24
-90.5	-1.10	-.83	-1.42	-1.88	-2.24	-2.49	-2.67	-2.78	-2.85	-2.88	-2.90	-2.92	-2.95	-3.02	-3.13	-3.31	-3.56	-3.92	-4.38	-4.97
-90.0	-2.60	-2.58	-2.70	-2.96	-3.34	-3.81	-4.37	-4.99	-5.67	-6.38	-7.10	-7.82	-8.53	-9.21	-9.83	-10.39	-10.86	-11.24	-11.50	-11.62
-89.5	-1.70	-2.11	-2.61	-3.18	-3.83	-4.53	-5.29	-6.08	-6.91	-7.75	-8.60	-9.45	-10.29	-11.12	-11.91	-12.66	-13.37	-14.02	-14.59	-15.09
-89.0	-5.90	-6.35	-6.70	-6.96	-7.15	-7.28	-7.34	-7.37	-7.37	-7.34	-7.30	-7.26	-7.23	-7.23	-7.26	-7.32	-7.45	-7.64	-7.90	-8.25
-88.5	-7.00	-7.43	-7.72	-7.89	-7.94	-7.90	-7.77	-7.58	-7.35	-7.08	-6.80	-6.52	-6.25	-6.02	-5.83	-5.70	-5.66	-5.71	-5.88	-6.17
-88.0	-5.40	-5.51	-5.80	-6.26	-6.87	-7.60	-8.43	-9.35	-10.33	-11.36	-12.40	-13.44	-14.47	-15.45	-16.37	-17.20	-17.93	-18.54	-19.00	-19.29
-87.5	-2.80	-2.66	-2.57	-2.52	-2.51	-2.54	-2.60	-2.68	-2.78	-2.89	-3.00	-3.11	-3.22	-3.32	-3.40	-3.46	-3.49	-3.48	-3.43	-3.34
-87.0	-12.30	-12.01	-11.55	-10.94	-10.20	-9.35	-8.41	-7.40	-6.33	-5.22	-4.10	-2.98	-1.87	-.80	.21	1.15	2.00	2.74	3.35	3.81
-86.5	-15.30	-15.72	-15.79	-15.55	-15.04	-14.31	-13.37	-12.29	-11.09	-9.81	-8.50	-7.19	-5.91	-4.71	-3.63	-2.69	-1.96	-1.45	-1.21	-1.28
-86.0	-9.80	-10.43	-10.86	-11.12	-11.23	-11.21	-11.08	-10.86	-10.58	-10.25	-9.90	-9.55	-9.22	-8.94	-8.72	-8.59	-8.57	-8.68	-8.94	-9.37
-85.5	-6.10	-6.71	-6.57	-6.59	-6.49	-6.29	-5.99	-5.63	-5.22	-4.77	-4.30	-3.83	-3.38	-2.97	-2.61	-2.31	-2.11	-2.01	-2.03	-2.19
-85.0	-7.20	-7.06	-6.76	-6.32	-5.76	-5.09	-4.34	-3.51	-2.64	-1.73	-.80	-.13	1.04	1.91	2.74	3.49	4.16	4.72	5.16	5.46
-84.5	-14.40	-14.83	-15.16	-15.40	-15.55	-15.63	-15.66	-15.63	-15.58	-15.49	-15.40	-15.31	-15.22	-15.17	-15.14	-15.17	-15.25	-15.40	-15.64	-15.97
-84.0	-10.60	-10.82	-10.86	-10.75	-10.51	-10.15	-9.69	-9.16	-8.57	-7.95	-7.30	-6.65	-6.03	-5.44	-4.91	-4.45	-4.09	-3.85	-3.74	-3.78
-83.5	-6.00	-6.20	-6.43	-6.69	-6.97	-7.28	-7.60	-7.94	-8.28	-8.64	-9.00	-9.36	-9.72	-10.06	-10.40	-10.72	-11.03	-11.31	-11.57	-11.80
-83.0	-2.10	-1.82	-1.63	-1.52	-1.49	-1.51	-1.59	-1.71	-1.85	-2.02	-2.20	-2.38	-2.55	-2.69	-2.81	-2.89	-2.91	-2.88	-2.77	-2.58
-82.5	-8.10	-8.20	-8.18	-8.04	-7.81	-7.49	-7.09	-6.64	-6.15	-5.63	-5.10	-4.57	-4.05	-3.56	-3.11	-2.72	-2.39	-2.16	-2.02	-2.00
-82.0	-10.20	-9.34	-8.63	-8.06	-7.60	-7.24	-6.97	-6.77	-6.62	-6.50	-6.40	-6.30	-6.18	-6.03	-5.83	-5.56	-5.20	-4.74	-4.17	-3.46
-81.5	-4.50	-4.33	-4.47	-4.88	-5.53	-6.38	-7.40	-8.56	-9.81	-11.14	-12.50	-13.86	-15.19	-16.44	-17.60	-18.62	-19.47	-20.12	-20.53	-20.67
-81.0	-7.20	-6.63	-6.17	-5.82	-5.55	-5.36	-5.23	-5.15	-5.11	-5.10	-5.10	-5.10	-5.09	-5.05	-4.97	-4.84	-4.65	-4.38	-4.03	-3.57
-80.5	-7.30	-6.96	-6.72	-6.58	-6.51	-6.52	-6.59	-6.70	-6.85	-7.02	-7.20	-7.38	-7.55	-7.70	-7.81	-7.88	-7.89	-7.82	-7.68	-7.44
-80.0	-4.70	-4.53	-4.38	-4.26	-4.16	-4.07	-4.00	-3.94	-3.89	-3.84	-3.80	-3.76	-3.71	-3.66	-3.60	-3.53	-3.44	-3.34	-3.22	-3.07
-79.5	-7.90	-8.16	-8.57	-9.11	-9.76	-10.52	-11.35	-12.26	-13.21	-14.20	-15.20	-16.20	-17.19	-18.14	-19.05	-19.88	-20.64	-21.29	-21.83	-22.24
-79.0	-6.00	-1.20	-2.28	-3.77	-5.64	-7.82	-10.26	-12.91	-15.72	-18.63	-21.60	-24.57	-27.48	-30.29	-32.94	-35.39	-37.56	-39.43	-40.92	-42.00
-78.5	-4.60	-5.13	-5.74	-6.44	-7.20	-8.03	-8.90	-9.82	-10.76	-11.73	-12.70	-13.67	-14.64	-15.58	-16.50	-17.37	-18.20	-18.96	-19.66	-20.27
-78.0	-4.20	-4.60	-5.13	-5.78	-6.53	-7.36	-8.26	-9.22	-10.22	-11.25	-12.30	-13.35	-14.38	-15.38	-16.34	-17.24	-18.07	-18.82	-19.47	-20.00
-77.5	-10.10	-9.94	-9.90	-9.99	-10.17	-10.44	-10.79	-11.19	-11.64	-12.11	-12.60	-13.09	-13.56	-14.01	-14.41	-14.76	-15.03	-15.21	-15.30	-15.26
-77.0	-6.90	-8.11	-9.40	-10.76	-12.19	-13.68	-15.21	-16.77	-18.37	-19.98	-21.60	-23.22	-24.83	-26.43	-27.99	-29.52	-31.01	-32.44	-33.80	-35.09
-76.5	-7.50	-7.79	-8.20	-8.69	-9.27	-9.91	-10.62	-11.37	-12.16	-12.98	-13.80	-14.62	-15.44	-16.23	-16.98	-17.68	-18.33	-18.91	-19.40	-19.81
-76.0	-6.40	-6.86	-7.29	-7.71	-8.10	-8.47	-8.84	-9.19	-9.53	-9.87	-10.20	-10.53	-10.87	-11.21	-11.56	-11.92	-12.30	-12.69	-13.11	-13.54
-75.5	-2.60	-2.71	-2.88	-3.10	-3.38	-3.68	-4.03	-4.40	-4.79	-5.19	-5.60	-6.01	-6.41	-6.80	-7.17	-7.51	-7.82	-8.10	-8.32	-8.49
-75.0	-13.50	-14.05	-14.31	-14.32	-14.10	-13.69	-13.13	-12.43	-11.64	-10.79	-9.90	-9.01	-8.16	-7.37	-6.67	-6.11	-5.70	-5.48	-5.49	-5.75
-74.5	-12.20	-12.74	-13.12	-13.36	-13.47	-13.47	-13.38	-13.23	-13.01	-12.77	-12.50	-12.23	-11.99	-11.77	-11.53	-11.53	-11.53	-11.64	-11.88	-12.26
-74.0	-4.20	-4.49	-4.77	-5.05	-5.31	-5.57	-5.82	-6.07	-6.32	-6.56	-6.80	-7.04	-7.28	-7.53	-7.78	-8.03	-8.29	-8.55	-8.83	9.11
-73.5	-6.60	-7.38	-8.15	-8.90	-9.64	-10.37	-11.09	-11.80	-12.50	-13.20	-13.90	-14.60	-15.30	-16.00	-16.71	-17.43	-18.16	-18.90	-19.65	20.42
-73.0	-6.10	-6.63	-7.21	-7.83	-8.48	-9.17	-9.89	-10.62	-11.37	-12.13	-12.90	-13.67	-14.43	-15.18	-15.91	-16.63	-17.32	-17.97	-18.59	19.17
-72.5	-11.80	-12.40	-12.85	-13.19	-13.41	-13.53	-13.58	-13.57	-13.50	-13.41	-13.30	-13.19	-13.10	-13.03	-13.02	-13.07	-13.19	-13.41	-13.75	14.20

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
35.5	9.70	10.33	-10.82	11.18	11.44	-11.61	11.70	11.73	11.71	11.66	11.60	-11.54	-11.49	11.47	-11.50	11.59	11.76	-12.02	-12.38	12.87
36.0	-14.40	-14.89	-15.14	15.17	15.00	14.67	14.20	13.62	12.96	-12.24	11.50	-10.76	-10.04	9.38	8.80	-8.33	-8.00	-7.83	-7.86	-8.11
36.5	-3.00	-3.21	3.49	3.81	4.18	4.59	5.03	5.50	5.99	6.49	7.00	7.51	8.01	-8.50	-8.97	-9.41	-9.82	-10.19	-10.51	10.79
37.0	-10.30	-9.94	9.67	9.34	-9.34	-9.27	9.24	9.24	9.28	9.34	9.40	9.46	9.52	-9.56	-9.56	-9.53	-9.46	-9.33	-9.13	-8.86
37.5	-6.10	-6.56	-7.17	-7.90	-8.74	-9.67	-10.68	11.76	12.88	14.03	15.20	16.37	-17.52	-18.64	-19.72	-20.73	-21.66	-22.50	-23.23	-23.84
38.0	-8.10	-9.02	-10.17	-11.54	-13.09	-14.80	-16.64	-18.59	-20.61	-22.69	-24.80	-26.91	-28.99	-31.01	-32.96	-34.80	-36.51	-38.06	-39.43	-40.58
38.5	-9.40	-9.49	-9.54	-9.56	-9.54	-9.51	-9.45	9.38	9.29	9.20	9.10	9.00	-8.91	-8.82	-8.75	-8.69	-8.66	-8.64	-8.66	-8.71
39.0	-3.90	-4.23	-4.60	-4.99	-5.42	-5.86	-6.33	6.81	-7.30	-7.80	8.30	-8.80	-9.30	9.79	-10.27	-10.74	-11.18	-11.61	-12.00	12.37
39.5	-7.80	-7.46	-7.24	-7.14	-7.13	-7.22	-7.37	-7.58	-7.83	-8.11	-8.40	-8.69	-8.97	-9.22	-9.43	-9.59	-9.67	-9.66	-9.56	-9.34
40.0	-3.70	-3.76	-4.06	-4.59	-5.32	-6.21	-7.24	-8.38	-9.61	-10.89	-12.20	-13.51	-14.79	-16.02	-17.16	-18.19	-19.08	-19.81	-20.34	-20.64
40.5	-8.70	-8.78	-8.78	-8.72	-8.60	-8.42	-8.21	-7.96	-7.69	-7.40	-7.10	-6.80	-6.51	-6.24	-5.99	-5.78	-5.60	-5.48	-5.42	-5.42
41.0	-7.60	-7.97	-8.53	9.26	10.15	11.16	12.28	13.48	14.75	-16.07	17.40	-18.73	-20.05	-21.32	-22.52	-23.64	-24.65	-25.54	-26.27	-26.83
41.5	-4.00	-4.53	-5.29	6.28	7.44	-8.78	10.24	11.81	13.46	15.17	-16.90	18.63	-20.34	-21.99	-23.56	-25.02	-26.36	-27.52	-28.51	-29.27
42.0	-10.70	10.68	10.47	10.09	9.57	-8.92	8.16	7.32	6.41	5.47	-4.50	-3.53	-2.59	-1.68	-84	-0.9	57	1.09	1.47	1.68
42.5	-4.50	-4.81	-5.36	6.10	-7.03	-8.10	9.31	10.62	12.00	-13.44	-14.90	-16.36	-17.80	-19.18	-20.49	-21.70	-22.77	-23.70	-24.44	-24.99
43.0	-6.50	-6.99	-7.55	8.17	8.84	9.56	10.33	11.12	11.93	-12.76	-13.60	-14.44	-15.27	-16.08	-16.87	-17.64	-18.36	-19.03	-19.65	-20.21
43.5	-9.60	-9.98	-10.20	10.29	10.26	10.12	9.90	9.61	9.27	8.89	8.50	8.11	-7.73	-7.39	-7.10	-6.88	-6.74	-6.71	-6.80	-7.02
44.0	-8.60	-8.59	8.48	8.26	7.95	-7.58	7.13	6.64	6.12	-5.56	-5.00	4.44	-3.88	-3.36	-2.87	-2.43	-2.05	-1.74	-1.52	1.41
44.5	-2.10	-2.77	-3.78	5.11	6.72	8.56	10.59	12.78	15.09	-17.47	-19.90	-22.33	-24.71	-27.02	-29.21	-31.25	-33.08	-34.69	-36.02	37.03
45.0	-9.00	-9.06	9.13	9.21	9.29	9.38	9.48	9.58	9.69	9.79	9.90	-10.01	-10.11	-10.22	-10.32	-10.42	-10.51	-10.59	-10.67	10.74
45.5	-7.50	-8.43	-9.41	10.45	11.53	-12.65	13.80	14.98	16.18	-17.38	-18.60	-19.82	-21.02	-22.22	-23.40	-24.55	-25.67	-26.75	-27.79	-28.77
46.0	-11.60	-12.23	-12.71	13.07	-13.31	13.45	-13.52	13.52	13.47	-13.40	-13.30	13.20	-13.13	-13.08	-13.08	-13.15	-13.29	-13.53	-13.89	14.37
46.5	-14.70	-16.05	-17.39	-18.73	-20.07	-21.41	22.75	24.09	25.43	26.76	-28.10	-29.44	-30.77	-32.11	-33.45	-34.79	-36.13	-37.47	-38.81	40.15
47.0	-9.70	-9.75	-9.70	9.56	-9.35	-9.07	8.74	8.37	7.96	-7.54	-7.10	-6.66	-6.24	-5.83	-5.46	-5.13	-4.85	-4.64	-4.50	-4.45
47.5	-8.00	-8.00	-8.53	9.09	-9.68	-10.30	10.94	11.59	-12.25	-12.92	-13.60	-14.28	-14.95	-15.61	-16.26	-16.90	-17.52	-18.11	-18.67	19.20
48.0	-9.50	-9.29	-9.00	8.66	-8.27	-7.82	-7.35	6.84	6.30	-5.76	-5.20	-4.64	-4.10	-3.56	-3.05	-2.58	-2.13	-1.74	-1.40	-1.11
48.5	-10.60	-11.00	-11.35	-11.65	-11.91	-12.13	-12.32	-12.49	-12.64	-12.77	-12.90	-13.03	-13.16	-13.31	-13.48	-13.67	-13.89	-14.15	-14.45	-14.80
49.0	-10.50	-10.73	-10.95	-11.15	-11.34	-11.52	-11.69	-11.85	-12.00	-12.15	-12.30	-12.45	-12.60	-12.75	-12.91	-13.08	-13.26	-13.45	-13.65	-13.87
49.5	-13.40	-13.47	-13.22	-12.69	-11.92	-10.94	-9.78	8.48	-7.08	-5.61	-4.10	-2.59	-1.12	28	1.58	2.74	3.72	4.49	5.02	5.27
50.0	-6.60	-6.94	-7.15	-7.26	-7.26	-7.18	-7.03	6.82	-6.57	-6.29	-6.00	-5.71	-5.43	-5.18	-4.97	-4.82	-4.74	-4.85	-4.85	-5.06
50.5	-6.60	-6.95	-7.33	-7.74	-8.18	-8.63	-9.11	9.59	-10.09	-10.59	-11.10	-11.61	-12.11	-12.61	-13.09	-13.57	-14.02	-14.46	-14.7	-15.25
51.0	-18.40	-18.25	-17.86	-17.24	-16.43	-15.46	-14.35	-13.14	-11.84	-10.48	-9.10	-7.72	-6.36	-5.06	-3.85	-2.74	-1.77	-96	-34	105
51.5	-17.70	-18.11	-18.14	-17.82	-17.21	-16.35	-15.27	-14.03	-12.66	-11.20	-9.70	-8.20	-6.74	-5.37	-4.13	-3.05	-2.19	-1.58	-1.26	-1.29
52.0	-11.70	-11.75	-11.65	-11.40	-11.03	-10.55	-9.99	-9.35	-8.66	-7.94	-7.20	-6.46	-5.74	-5.05	-4.41	-3.85	-3.37	-3.00	-2.75	-2.65
52.5	-9.40	-9.75	-10.12	-10.50	-10.89	-11.29	-11.70	-12.12	-12.54	-12.97	-13.40	-13.83	-14.26	-14.68	-15.10	-15.51	-15.91	-16.30	-16.68	-17.05
53.0	-6.80	-7.22	-7.74	-8.37	-9.08	-9.87	-10.72	-11.62	-12.56	-13.52	-14.50	-15.48	-16.44	-17.38	-18.28	-19.13	-19.92	-20.63	-21.26	-21.78
53.5	-8.10	-8.39	-8.64	-8.84	-9.00	-9.14	-9.24	-9.32	-9.39	-9.45	-9.50	-9.54	-9.61	-9.68	-9.76	-9.87	-10.00	-10.16	-10.36	-10.61
54.0	-9.00	-8.69	-8.40	-8.12	-7.85	-7.59	-7.34	-7.10	-6.86	-6.63	-6.40	-6.17	-5.94	-5.70	-5.46	-5.21	-4.95	-4.68	-4.40	4.11
54.5	-4.30	-4.22	-4.11	-3.98	-3.83	-3.67	-3.49	-3.30	-3.11	-2.90	-2.70	-2.50	-2.29	-2.10	-1.91	-1.73	-1.57	-1.42	-1.29	-1.18
55.0	-9.20	-8.93	-8.50	-7.93	-7.23	-6.44	-5.55	-4.60	-3.60	-2.56	-1.50	-44	60	1.60	2.55	3.44	4.23	4.93	5.50	5.93
55.5	-6.10	-6.34	-6.66	-7.05	-7.50	-8.00	-8.55	-9.13	-9.74	-10.37	-11.00	-11.63	-12.26	-12.87	-13.45	-14.00	-14.50	-14.95	-15.34	15.66
56.0	-4.20	-4.60	-5.18	-5.92	-6.81	-7.82	-8.93	-10.13	-11.38	-12.68	-14.00	-15.32	-16.62	-17.87	-19.07	-20.18	-21.19	-22.08	-22.82	23.40
56.5	-12.40	-12.79	-13.09	-13.31	-13.46	-13.54	-13.57	-13.57	-13.53	-13.47	-13.40	-13.33	-13.27	-13.23	-13.23	-13.26	-13.34	-13.49	-13.71	14.01

BIREFRACTING ANGLE

ASPECT ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
57.0	-80	-70	-85	1.22	-1.79	-2.52	3.39	-4.37	-5.43	6.55	-7.70	8.85	-9.97	-11.03	-12.01	-12.88	-13.61	-14.18	-14.55	14.70
57.5	-3.80	-4.05	-4.30	-4.54	-4.78	-5.02	5.25	-5.48	-5.70	5.92	-6.14	6.35	-6.56	-6.77	-6.98	-7.18	-7.37	-7.56	-7.75	-7.94
58.0	-6.40	-6.57	-6.79	-7.07	-7.39	-7.75	8.14	-8.56	-9.00	9.45	-9.90	10.35	-10.80	-11.24	-11.66	-12.05	-12.41	-12.73	-13.01	13.23
58.5	-5.50	-6.04	-6.67	-7.37	-8.14	-8.97	9.84	-10.74	-11.68	12.64	-13.60	14.56	-15.52	-16.46	-17.36	-18.23	-19.06	-19.83	-20.53	21.16
59.0	-2.70	-2.46	-2.39	-2.48	-2.70	-3.04	3.48	-3.99	-4.58	5.17	-5.80	6.43	-7.04	-7.61	-8.12	-8.56	-8.90	-9.12	-9.21	9.14
59.5	-6.88	-7.27	-7.57	-8.27	-8.97	-9.68	10.40	-11.12	-11.85	12.57	-13.30	14.03	-14.75	-15.48	-16.20	-16.91	-17.63	-18.33	-19.03	19.72
60.0	-3.40	-3.43	-3.51	-3.63	-3.80	-4.00	-4.22	-4.47	-4.74	-5.02	-5.30	-5.58	-5.86	-6.13	-6.38	-6.60	-6.80	-6.97	-7.09	-7.17
60.5	-5.90	-6.00	-6.16	-6.37	-6.63	-6.93	-7.26	-7.62	-8.00	8.40	-8.80	9.20	-9.60	-9.98	-10.34	-10.67	-10.97	-11.23	-11.44	-11.60
61.0	-9.10	-9.19	-9.13	-8.94	-8.63	-8.23	-7.74	-7.19	-6.59	-5.95	-5.30	-4.65	-4.01	-3.41	-2.86	-2.37	-1.97	-1.66	-1.47	-1.41
61.5	-8.60	-8.67	-8.71	-8.71	-8.69	-8.64	-8.58	-8.50	-8.40	-8.30	-8.20	-8.10	-8.00	-7.90	-7.82	-7.76	-7.71	-7.69	-7.69	7.73
62.0	-5.40	-5.54	-5.57	-5.50	-5.34	-5.10	-4.80	-4.44	-4.05	-3.63	-3.20	-2.77	-2.35	-1.96	-1.60	-1.30	-1.06	-90	-83	86
62.5	-1.80	-2.76	-3.90	5.20	-6.65	-8.20	9.86	-11.60	13.40	-15.24	-17.10	-18.96	-20.80	-22.60	-24.34	-26.00	-27.55	-29.00	-30.30	31.44
63.0	-4.10	-4.43	-4.84	-5.31	-5.85	-6.43	-7.05	-7.71	-8.39	-9.09	9.80	-10.51	-11.21	-11.89	-12.55	-13.17	-13.75	-14.29	-14.76	15.17
63.5	-11.90	-11.91	-11.68	-11.24	-10.61	-9.84	-8.92	-7.91	-6.82	-5.67	-4.50	-3.33	-2.18	-1.09	-0.8	83	1.61	2.24	2.68	2.91
64.0	-7.60	-8.09	8.75	9.56	-10.49	11.54	-12.68	-13.90	15.17	16.47	17.80	-19.13	-20.43	-21.70	-22.92	24.06	25.11	-26.04	-26.85	-27.51
64.5	-13.30	-13.16	12.64	11.79	-10.66	-9.28	7.69	-5.94	4.06	-2.10	-10	1.90	3.86	5.74	7.49	9.08	10.46	11.59	12.44	12.96
65.0	-4.20	-4.28	-4.44	-4.66	-4.94	-5.28	-5.65	-6.06	-6.49	-6.94	-7.40	-7.86	-8.31	-8.74	-9.15	-9.52	-9.86	-10.14	-10.36	-10.52
65.5	-5.00	-4.97	-4.96	-4.97	-5.00	-5.04	-5.10	-5.17	-5.24	-5.32	-5.40	-5.48	-5.56	-5.63	-5.70	-5.76	-5.80	-5.83	-5.84	-5.83
66.0	-5.90	-5.69	-5.47	-5.25	-5.02	-4.79	-4.55	-4.32	-4.08	-3.84	-3.60	-3.36	-3.12	-2.88	-2.65	-2.41	-2.18	-1.95	-1.73	-1.51
66.5	8.70	-8.22	-7.74	7.26	6.79	-6.32	5.85	-5.39	-4.92	-4.46	-4.00	-3.54	-3.08	-2.61	-2.15	-1.68	-1.21	-74	26	22
67.0	-1.10	-9.8	1.04	-1.28	-1.67	-2.18	-2.80	-3.50	-4.26	-5.07	-5.90	-6.73	-7.54	-8.30	-9.00	-9.62	-10.13	-10.52	-10.76	10.82
67.5	-7.10	-7.83	-8.74	9.81	-11.01	-12.33	13.75	-15.24	-16.80	-18.39	-20.00	-21.61	-23.20	-24.76	-26.25	-27.67	-28.99	-30.19	-31.26	32.17
68.0	-70	-68	-86	-1.23	-1.77	-2.44	3.23	-4.12	-5.07	-6.08	-7.10	8.12	9.13	-10.08	-10.97	-11.76	-12.43	-12.97	-13.34	13.52
68.5	-4.80	-5.00	-5.33	-5.77	-6.33	-6.97	-7.69	-8.46	-9.28	-10.13	-11.00	-11.87	-12.72	-13.54	-14.31	-15.03	-15.67	-16.23	-16.67	-17.00
69.0	-2.50	-2.05	-2.03	-2.39	-3.08	-4.06	-5.28	-6.70	-8.25	-9.90	-11.60	-13.30	-14.95	-16.50	-17.92	-19.14	-20.12	-20.81	-21.17	-21.15
69.5	-40	-15	-35	26	-10	-69	1.47	-2.39	-3.43	-4.55	-5.70	-6.85	-7.97	-9.01	-9.93	-10.71	-11.30	-11.66	-11.75	-11.55
70.0	-6.70	-6.30	-6.00	-5.78	-5.63	-5.55	-5.51	-5.52	-5.56	-5.63	-5.70	-5.77	-5.84	-5.88	-5.89	-5.85	-5.77	-5.62	-5.40	-5.10
70.5	20	-42	44	27	-07	-54	-113	-182	-257	-338	-420	-502	-583	-658	-727	-786	-833	-867	-884	882
71.0	-3.30	-3.04	-2.85	-2.72	-2.64	-2.60	-2.60	-2.62	-2.67	-2.73	-2.80	-2.87	-2.93	-2.98	-3.00	-3.00	-2.96	-2.88	-2.75	-2.56
71.5	-70	-1.06	-1.59	-2.26	-3.07	-3.99	-5.00	-6.08	-7.22	-8.40	-9.60	-10.80	-11.98	-13.12	-14.20	-15.21	-16.13	-16.94	-17.61	18.14
72.0	-16.20	-16.03	-15.36	-14.23	-12.70	-10.84	-8.69	-6.32	-3.77	-1.11	1.60	4.31	6.97	9.52	11.89	14.04	15.90	17.43	18.56	19.23
72.5	-6.60	-6.36	-6.00	-5.52	-4.95	-4.28	-3.55	-2.76	-1.93	-1.07	-0.20	.67	1.53	2.36	3.15	3.88	4.55	5.12	5.60	5.96
73.0	-10	-38	-82	-1.39	-2.07	-2.86	-3.73	-4.66	-5.65	-6.66	-7.70	-8.74	-9.75	-10.74	-11.67	-12.54	-13.33	-14.01	-14.58	-15.02
73.5	-7.00	-7.00	-6.86	-6.61	-6.25	-5.79	-5.26	-4.68	-4.04	-3.38	-2.70	-2.02	-1.36	-.72	-.14	.39	.85	1.21	1.46	1.60
74.0	-5.00	-4.50	-3.68	-2.58	-1.24	.31	2.04	3.91	5.88	7.92	10.00	12.08	14.12	16.09	17.96	19.69	21.24	22.58	23.68	24.50
74.5	5.40	5.79	6.13	6.42	6.66	6.88	7.06	7.21	7.35	7.48	7.60	7.72	7.85	7.99	8.14	8.32	8.54	8.78	9.07	9.41
75.0	90	1.56	2.34	3.21	4.16	5.19	6.28	7.42	8.59	9.79	11.00	12.21	13.41	14.58	15.72	16.81	17.84	18.79	19.66	20.44
75.5	2.60	3.30	4.13	5.05	6.08	7.17	8.34	9.56	10.82	12.10	13.40	14.70	15.98	17.24	18.46	19.63	20.72	21.75	22.67	23.50
76.0	4.10	4.47	4.65	4.66	4.52	4.26	3.90	3.45	2.93	2.38	1.80	1.22	.67	.15	-.30	-.66	-.92	-1.06	-1.05	87
76.5	-4.70	-4.44	-3.95	-3.23	-2.34	-1.27	-.08	1.22	2.60	4.04	5.50	6.96	8.40	9.78	11.08	12.27	13.34	14.23	14.95	15.44
77.0	-60	.03	.72	1.47	2.27	3.11	3.99	4.89	5.82	6.75	7.70	8.65	9.58	10.51	11.41	12.29	13.13	13.93	14.68	15.37
77.5	8.30	8.99	9.30	9.29	9.00	8.46	7.71	6.80	5.77	4.65	3.50	2.35	1.23	.50	-.71	-1.46	-2.00	-2.29	-2.30	-1.99
78.0	30	.42	.61	.86	1.16	1.51	1.90	2.33	2.77	3.23	3.70	4.17	4.63	5.07	5.50	5.89	6.24	6.54	6.79	6.98

ASPECT

BISTATIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
143.0	-10.60	-10.85	11.11	-11.37	-11.65	-11.93	-12.22	12.51	12.80	13.10	13.40	13.70	14.00	14.29	-14.58	-14.87	-15.15	-15.43	15.69	15.95
143.5	20.20	-20.66	-20.92	21.00	-20.93	-20.73	-20.41	20.01	19.55	-19.03	18.50	17.97	-17.45	16.99	-16.59	-16.27	16.07	-16.00	-16.08	-16.14
144.0	-14.90	-15.33	-15.64	-15.83	-15.91	-15.91	-15.84	15.70	15.53	15.32	-15.10	-14.88	14.67	-14.50	-14.36	-14.29	14.29	-14.37	-14.56	-14.87
144.5	-20.20	-20.94	-21.50	-21.90	-22.15	-22.30	-22.34	-22.30	22.20	22.06	-21.90	-21.74	-21.60	-21.50	-21.46	-21.50	-21.65	-21.90	-22.30	-22.86
145.0	-20.40	-20.93	-21.20	-21.25	-21.11	-20.80	-20.65	-19.78	-19.13	-18.43	17.70	-16.97	-16.27	-15.62	-15.05	-14.60	-14.29	-14.15	-14.20	-14.47
145.5	-10.50	-10.82	-11.16	-11.52	-11.89	-12.27	-12.67	13.07	13.48	13.89	14.30	14.71	-15.12	-15.53	-15.93	-16.32	-16.71	-17.08	-17.44	-17.78
146.0	-13.60	-13.26	-12.90	-12.54	-12.16	-11.78	-11.39	-11.00	-10.60	-10.20	9.80	9.40	-9.00	-8.60	-8.21	-7.82	-7.44	-7.06	-6.70	6.34
146.5	-16.10	-15.69	-15.15	-14.51	-13.78	-12.97	-12.10	-11.17	10.20	9.21	-8.20	-7.19	6.20	5.23	4.30	3.43	2.62	-1.89	-1.25	-7.1
147.0	-13.20	-12.87	-12.47	-12.03	-11.54	-11.01	-10.45	-9.86	9.25	8.63	-8.00	-7.37	6.75	-6.14	-5.55	-4.99	-4.46	-3.97	-3.53	-3.13
147.5	-18.40	-18.55	-18.40	-18.00	-17.37	-16.54	-15.55	-14.42	-13.20	-11.92	-10.60	9.28	-8.00	-6.78	-5.65	-4.66	-3.83	-3.20	-2.80	2.65
148.0	-11.40	-11.51	-11.55	-11.52	-11.44	-11.30	-11.13	-10.93	-10.70	-10.45	-10.20	-9.95	-9.70	-9.47	-9.27	-9.10	-8.96	-8.88	-8.85	8.89
148.5	-11.00	-10.67	-10.42	-10.24	-10.12	-10.05	-10.03	10.04	-10.08	-10.14	-10.20	-10.26	-10.32	-10.36	-10.37	-10.35	-10.28	-10.16	-9.98	9.73
149.0	-24.40	-24.33	-23.81	-22.90	-21.65	-20.11	-18.32	-16.34	14.21	11.98	-9.70	7.42	-5.19	-3.06	-1.08	7.1	2.25	3.50	4.41	4.93
149.5	-24.70	-24.65	-24.18	-23.35	-22.19	-20.77	-19.11	-17.27	15.29	-13.22	11.10	8.98	-6.91	-4.93	-3.09	-1.43	-0.1	1.15	1.98	2.45
150.0	-23.70	-24.58	-25.02	25.07	24.78	24.19	23.37	22.34	21.18	-19.91	18.60	-17.29	-16.02	-14.86	-13.83	-13.01	-12.42	-12.13	-12.18	12.62
150.5	-29.90	-30.70	-30.97	30.76	30.14	29.16	-27.88	-26.37	24.68	-22.87	21.00	-19.13	-17.32	-15.63	-14.12	-12.84	-11.86	-11.24	-11.03	11.30
151.0	-23.70	-23.57	-23.25	22.75	22.10	-21.32	-20.43	19.45	18.40	17.31	-16.20	-15.09	-14.00	-12.95	-11.97	-11.08	-10.30	-9.65	-9.15	8.83
151.5	-15.30	-14.23	-13.32	-12.56	11.93	11.41	-10.98	-10.62	-10.32	-10.05	-9.80	9.55	-9.28	-8.98	-8.62	-8.19	-7.67	-7.04	-6.28	5.37
152.0	-10.10	-9.36	-8.80	-8.42	8.19	-8.08	8.08	8.16	8.30	8.49	-8.70	8.91	-9.10	-9.24	-9.32	-9.32	-9.21	-8.98	-8.60	8.04
152.5	-10.10	-9.35	-8.84	-8.56	8.48	-8.56	-8.78	9.11	-9.53	-10.00	-10.50	11.00	-11.47	-11.89	-12.22	-12.44	-12.52	-12.44	-12.16	11.65
153.0	-10.20	-9.94	-9.83	9.86	10.01	10.26	-10.61	11.02	-11.48	-11.98	-12.50	13.02	13.52	-13.98	-14.39	-14.74	-14.99	-15.14	-15.17	15.06
153.5	10.30	-10.88	-11.51	12.19	12.90	-13.65	-14.43	15.23	16.04	16.87	17.70	18.53	19.36	-20.17	-20.97	-21.75	-22.50	-23.21	-23.89	24.52
154.0	-13.00	-13.77	-14.58	15.41	-16.27	-17.16	-18.06	-18.99	19.92	-20.86	-21.80	-22.74	23.68	-24.61	-25.54	-26.44	-27.33	-28.19	-29.02	29.83
154.5	-14.90	-15.38	-15.75	-16.01	-16.17	-16.27	-16.29	16.26	16.20	-16.11	16.00	15.89	-15.80	-15.74	-15.71	-15.73	-15.83	-15.99	-16.25	16.62
155.0	-9.60	-9.89	-10.06	-10.13	-10.10	-9.99	-9.81	-9.58	9.31	-9.01	-8.70	8.39	-8.09	-7.82	-7.59	-7.41	-7.30	-7.27	-7.34	7.51
155.5	-8.70	-8.26	-7.85	-7.46	-7.10	-6.75	-6.43	-6.11	-5.80	-5.50	-5.20	-4.90	-4.60	-4.29	-3.97	-3.64	-3.30	-2.94	-2.55	2.14
156.0	-8.40	-7.93	-7.46	-6.99	-6.51	-6.03	-5.54	-5.06	-4.57	-4.09	-3.60	-3.11	-2.63	-2.14	-1.66	-1.17	-0.69	-0.21	0.26	0.73
156.5	-10.00	-9.78	-9.42	-8.92	-8.32	-7.61	-6.83	-5.98	-5.08	-4.15	-3.20	-2.25	-1.32	-0.42	0.43	1.21	1.92	2.52	3.02	3.38
157.0	-12.30	-11.88	-11.29	-10.55	-9.68	-8.69	-7.61	-6.45	-5.23	-3.97	-2.70	-1.43	-0.17	1.05	2.21	3.29	4.28	5.15	5.89	6.48
157.5	-24.90	-23.87	-22.47	-20.74	-18.72	-16.46	-13.99	-11.36	-8.61	-5.78	-2.90	-0.2	2.81	5.56	8.19	10.66	12.92	14.94	16.67	18.07
158.0	-19.80	-19.64	-19.06	-18.11	-16.83	-15.27	-13.48	-11.50	-9.38	-7.16	-4.90	-2.64	-0.42	1.70	3.68	5.47	7.03	8.31	9.26	9.84
158.5	-16.80	-16.46	-15.94	-15.26	-14.43	-13.49	-12.46	-11.34	-10.16	-8.94	-7.70	-6.46	-5.24	-4.06	-2.94	-1.90	-0.97	-0.14	0.54	1.06
159.0	-14.40	-14.29	-14.01	-13.57	-12.98	-12.28	-11.49	-10.61	-9.67	-8.70	-7.70	-6.70	-5.73	-4.79	-3.91	-3.11	-2.42	-1.83	-1.39	-1.11
159.5	-11.10	-10.97	-10.73	-10.38	-9.93	-9.41	-8.83	-8.19	-7.52	-6.82	-6.10	-5.38	-4.68	-4.01	-3.37	-2.78	-2.27	-1.82	-1.47	1.23
160.0	-10.20	-10.09	-9.86	-9.52	-9.09	-8.58	-8.00	-7.37	-6.70	-6.01	-5.30	-4.59	-3.90	-3.23	-2.60	-2.02	-1.51	-1.08	-0.74	0.51
160.5	-10.30	-10.46	-10.43	-10.22	-9.87	-9.39	-8.80	-8.12	-7.38	-6.60	-5.80	-5.00	-4.22	-3.48	-2.80	-2.22	-1.73	-1.38	-1.17	-1.14
161.0	-6.80	-6.71	-6.64	-6.57	-6.50	-6.44	-6.39	-6.34	-6.29	-6.25	-6.20	-6.15	-6.11	-6.06	-6.01	-5.95	-5.90	-5.83	-5.76	5.69
161.5	-3.00	-2.18	-1.71	-1.55	-1.68	-2.03	-2.59	-3.31	-4.14	-5.05	-6.00	-6.95	-7.86	-8.69	-9.41	-9.96	-10.32	-10.45	-10.29	9.82
162.0	-1.90	-0.50	0.37	0.78	0.78	0.43	-0.21	-1.08	-2.12	-3.28	-4.50	-5.72	-6.88	-7.92	-8.79	-9.43	-9.78	-9.78	-9.37	8.50
162.5	-1.40	0.14	1.16	1.71	1.85	1.64	1.14	0.41	-0.50	-1.52	-2.60	-3.68	-4.70	-5.61	-6.34	-6.84	-7.05	-6.91	-6.36	5.31
163.0	-1.70	-0.96	-0.45	-0.16	-0.05	-0.10	-0.28	-0.57	-0.94	-1.36	-1.80	-2.24	-2.66	-3.03	-3.32	-3.50	-3.55	-3.44	-3.15	2.61
163.5	-2.60	-2.16	-1.78	-1.47	-1.22	-1.01	-0.84	-0.70	-0.59	-0.49	-0.40	-0.31	-0.21	-0.10	0.04	0.21	0.42	0.67	0.98	1.36
164.0	-3.40	-3.09	-2.76	-2.42	-2.08	-1.73	-1.37	-1.01	-0.64	-0.27	-0.10	0.47	0.84	1.21	1.57	1.91	2.28	2.62	2.96	3.29

ASPECT
ANGLE

BISTATIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
164.5	4.40	-3.96	3.52	3.06	2.59	-2.12	-1.64	1.16	-6.8	-1.9	.30	.79	1.28	1.76	2.24	2.72	3.19	3.66	4.12	4.56
165.0	4.40	-3.89	-3.39	-2.89	-2.39	-1.90	-1.42	-.94	-.46	.02	.50	.98	1.46	1.94	2.42	2.91	3.39	3.89	4.39	4.89
165.5	2.80	-2.62	-2.39	-2.13	-1.84	-1.53	-1.19	-.83	-.46	-.08	.30	.68	1.06	1.43	1.79	2.13	2.44	2.73	2.99	3.22
166.0	-6.0	-.55	-.50	-.47	-.45	-.43	-.42	-.41	-.40	-.40	-.40	-.40	-.40	-.39	-.38	-.37	-.35	-.33	-.30	-.25
166.5	1.10	1.07	.98	.85	.66	-.44	.19	-.08	-.38	-.69	-1.00	-1.31	-1.62	-1.92	-2.19	-2.45	-2.66	-2.85	-2.98	-3.07
167.0	2.40	2.15	1.82	1.43	.97	.47	-.07	-.65	-1.25	-1.87	-2.50	-3.13	-3.75	-4.35	-4.93	-5.47	-5.97	-6.43	-6.82	-7.15
167.5	2.80	2.59	2.22	1.71	1.08	.34	-.48	-1.37	-2.32	-3.30	-4.30	-5.30	-6.28	-7.23	-8.12	-8.94	-9.68	-10.31	-10.82	-11.19
168.0	3.50	3.31	2.85	2.13	1.20	.09	-1.18	-2.58	-4.07	-5.62	-7.20	-8.78	-10.33	-11.82	-13.22	-14.49	-15.60	-16.53	-17.25	-17.71
168.5	4.10	3.92	3.41	2.60	1.54	.25	-1.21	-2.83	-4.56	-6.36	-8.20	-10.04	-11.84	-13.57	-15.19	-16.65	-17.94	-19.00	-19.81	-20.32
169.0	4.30	4.12	3.58	2.71	1.56	-.17	-1.42	-3.17	-5.05	-7.00	-9.00	-11.00	-12.95	-14.83	-16.58	-18.17	-19.56	-20.71	-21.58	-22.12
169.5	4.50	4.57	4.22	3.51	2.47	1.16	-.38	-2.10	-3.95	-5.90	-7.90	-9.90	-11.85	-13.70	-15.42	-16.96	-18.27	-19.31	-20.02	-20.37
170.0	4.60	4.82	4.58	3.92	2.91	1.60	.02	-1.75	-3.68	-5.72	-7.80	-9.88	-11.92	-13.85	-15.62	-17.20	-18.51	-19.52	-20.18	-20.42
170.5	4.60	4.94	4.76	4.13	3.11	1.75	.10	-1.78	-3.82	-5.98	-8.20	-10.42	-12.58	-14.62	-16.50	-18.15	-19.51	-20.53	-21.16	-21.34
171.0	4.50	5.06	5.03	4.48	3.48	2.08	.35	-1.63	-3.81	-6.12	-8.50	-10.88	-13.19	-15.37	-17.35	-19.08	-20.48	-21.48	-22.03	-22.06
171.5	3.60	4.19	4.28	3.91	3.14	2.04	.65	-.96	-2.75	-4.65	-6.60	-8.55	-10.45	-12.24	-13.85	-15.24	-16.34	-17.11	-17.48	-17.39
172.0	3.10	3.69	3.88	3.72	3.24	2.51	1.55	.42	-.85	-2.20	-3.60	-5.00	-6.35	-7.62	-8.75	-9.71	-10.44	-10.92	-11.08	-10.89
172.5	1.50	1.91	2.05	1.96	1.66	1.19	.57	-.17	1.00	-1.88	-2.80	-3.72	-4.60	-5.43	-6.17	-6.79	-7.26	-7.56	-7.65	-7.51
173.0	.60	.67	.65	.56	.41	.21	-.04	.32	-.63	-.96	-1.30	-1.64	-1.97	-2.28	-2.56	-2.81	-3.01	-3.16	-3.25	-3.27
173.5	2.00	2.06	-2.07	-2.05	2.00	-1.93	1.83	-1.71	1.58	-1.44	-1.30	-1.16	-1.02	-.89	-.77	-.67	-.60	-.55	-.53	-.54
174.0	3.40	-3.57	-3.65	-3.65	3.57	3.44	3.25	-3.02	2.77	2.49	-2.20	-1.91	-1.63	-1.38	-1.15	-.96	-.83	-.75	-.75	.83
174.5	-5.70	-6.05	-6.25	-6.31	-6.26	6.11	5.87	5.56	5.20	4.81	-4.40	-3.99	-3.60	-3.24	-2.93	-2.69	-2.54	-2.49	-2.55	2.75
175.0	-5.30	-5.88	6.34	6.68	6.93	7.09	7.17	7.20	7.19	7.15	-7.10	-7.05	-7.01	-7.00	-7.03	-7.12	-7.27	-7.52	-7.86	8.32
175.5	-3.80	-4.62	-5.42	6.21	6.99	-7.76	-8.52	9.27	10.02	-10.76	-11.50	-12.24	-12.98	-13.73	-14.48	-15.24	-16.01	16.79	-17.58	-18.38
176.0	2.70	-3.62	-4.68	-5.89	-7.21	-8.64	-10.15	-11.73	-13.36	-15.02	-16.70	-18.38	-20.04	-21.67	-23.25	-24.76	-26.19	27.51	-28.72	29.78
176.5	-2.00	-3.10	-4.49	6.13	-7.99	10.03	-12.24	14.57	-16.99	-19.48	-22.00	-24.52	-27.01	-29.43	-31.76	-33.97	-36.01	-37.87	39.51	40.90
177.0	-1.90	-2.56	-3.50	-4.69	-6.11	-7.72	9.48	-11.38	-13.36	-15.42	-17.50	-19.58	-21.64	-23.62	-25.52	-27.28	-28.89	-30.31	-31.50	32.44
177.5	-2.20	-2.50	-3.14	-4.07	-5.25	-6.66	-8.25	-9.98	-11.83	-13.74	-15.70	-17.66	-19.57	-21.42	-23.15	-24.74	-26.15	-27.33	-28.26	-28.90
178.0	-4.00	-3.91	-4.09	-4.53	-5.19	-6.04	-7.04	-8.17	-9.40	-10.68	-12.00	-13.32	-14.60	-15.83	-16.96	-17.96	-18.81	-19.47	-19.91	-20.09
178.5	-6.70	-6.64	-6.76	-7.05	-7.48	-8.03	-8.68	-9.41	-10.21	-11.04	-11.90	-12.76	-13.59	-14.39	-15.12	-15.77	-16.32	-16.75	-17.04	-17.16
179.0	-10.80	-11.10	-11.48	-11.92	-12.43	-12.98	-13.57	-14.20	-14.85	-15.52	-16.20	-16.88	-17.55	-18.20	-18.83	-19.42	-19.97	-20.48	-20.92	21.30
179.5	-26.30	-26.98	-27.75	-28.59	-29.49	-30.44	-31.44	-32.47	-33.53	-34.61	-35.70	-36.79	-37.87	-38.93	-39.96	-40.96	-41.91	-42.81	-43.65	44.42

APPENDIX III b

TRX 11

ASPECT

BISTATIC ANGLE

ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
158.0	-8.90	-11.67	-14.19	-16.20	-17.45	-17.70	-16.81	-15.18	13.33	-11.76	-11.00	-11.39	-12.59	-14.07	-15.32	-15.80	-15.16	-13.66	-11.70	9.71
157.5	-4.50	-8.68	-12.63	-16.11	-18.87	-20.70	-21.43	-21.24	-20.40	-19.17	-17.80	-16.54	-15.49	-14.75	-14.39	-14.50	-15.13	-16.13	-17.33	-18.54
157.0	-10.10	-8.90	-7.98	-7.61	-8.10	-9.70	-12.52	-15.94	-19.13	-21.29	-21.60	-19.56	-15.93	-11.76	-8.13	-6.10	-6.42	-8.62	-11.89	-15.45
156.5	-3.80	-4.73	-5.60	-6.37	-6.99	-7.40	-7.58	-7.61	-7.58	-7.61	-7.80	-8.22	-8.81	-9.48	-10.14	-10.70	-11.09	-11.32	-11.41	-11.40
156.0	-11.40	-13.16	-14.72	-15.88	-16.44	-16.20	-15.04	-13.18	-10.92	-8.56	-6.40	-4.70	-3.56	-3.03	-3.16	-4.00	-5.55	-7.60	-9.89	-12.14
155.5	-13.60	-13.07	-12.67	-12.49	-12.66	-13.30	-14.44	-15.81	-17.06	-17.84	-17.80	-16.72	-14.93	-12.89	-11.06	-9.00	-9.75	-10.41	-11.57	-12.91
155.0	-10.90	-11.40	-11.88	-12.30	-12.65	-12.90	-13.04	-13.13	-13.26	-13.49	-13.90	-14.53	-15.22	-15.76	-15.96	-15.60	-14.57	-13.05	-11.32	9.64
154.5	-9.10	-10.52	-11.74	-12.58	-12.83	-12.30	-10.91	-9.02	-7.10	-5.64	-5.10	-5.80	-7.36	-9.25	-10.94	-11.90	-11.74	-10.70	-9.17	-7.54
154.0	-10.70	-11.27	-11.77	-12.15	-12.35	-12.30	-11.99	-11.54	-11.14	-10.97	-11.20	-11.94	-13.00	-14.13	-15.08	-15.60	-15.51	-14.94	-14.11	-13.22
153.5	-10.20	-10.48	-10.62	-10.48	-9.92	-8.80	-7.09	-5.19	-3.59	-2.79	-3.30	-5.40	-8.53	-11.93	-14.81	-16.40	-16.16	-14.46	-11.89	9.03
153.0	-13.10	-10.87	-8.78	-6.99	-5.65	-4.90	-4.84	-5.34	-6.20	-7.25	-8.30	-9.17	-9.76	-9.96	-9.67	-8.80	-7.31	-5.43	-3.43	-1.59
152.5	-11.90	-12.58	-13.12	-13.36	-13.17	-12.40	-10.98	-9.15	-7.25	-5.59	-4.50	-4.22	-4.66	-5.63	-6.97	-8.50	-10.06	-11.56	-12.93	-14.10
152.0	-6.10	-5.97	-5.93	-6.06	-6.45	-7.20	-8.35	-9.82	-11.48	-13.22	-14.90	-16.42	-17.68	-18.60	-19.10	-19.10	-18.55	-17.59	-16.38	-15.09
151.5	-12.60	-10.44	-8.34	-6.36	-4.56	-3.00	-1.77	-1.06	-1.09	-2.06	-4.20	-7.57	-11.63	-16.24	-19.09	-21.10	-21.26	-19.93	-17.65	-14.99
151.0	-2.00	-3.49	-5.03	-6.67	-8.44	-10.40	-12.55	-14.69	-16.59	-18.00	-18.70	-18.52	-17.62	-16.24	-14.62	-13.00	-11.58	-10.40	-9.44	-8.71
150.5	-5.90	-4.25	-2.82	-1.83	-1.48	-2.00	-3.50	-5.66	-8.07	-10.33	-12.00	-12.79	-12.87	-12.49	-11.95	-11.50	-11.36	-11.48	-11.73	-12.01
150.0	-7.80	-7.53	-7.31	-7.18	-7.19	-7.40	-7.84	-8.53	-9.49	-10.74	-12.30	-14.13	-16.02	-17.72	-18.97	-19.50	-19.15	-18.11	-16.65	-15.06
149.5	-1.30	-6.5	-2.63	-4.65	-6.73	-8.90	-11.12	-13.12	-14.57	-15.14	-14.50	-12.48	-9.58	-6.43	-3.68	-2.00	-1.84	-2.94	-4.84	-7.11
149.0	-4.70	-6.76	-8.63	-10.13	-11.08	-11.30	-10.70	-9.64	-8.56	-7.93	-8.20	-9.64	-11.82	-14.10	-15.87	-16.50	-15.56	-13.40	-10.56	-7.58
148.5	-2.70	-2.57	-2.50	-2.55	-2.76	-3.20	-3.90	-4.80	-5.82	-6.88	-7.90	-8.81	-9.57	-10.15	-10.54	-10.70	-10.63	-10.37	-10.02	-9.64
148.0	-4.70	-6.04	-7.27	-8.27	-8.91	-9.10	-8.77	-8.13	-7.44	-6.98	-7.00	-7.69	-8.84	-10.17	-11.39	-12.20	-12.40	-12.11	-11.55	-10.91
147.5	-4.20	-5.55	-6.80	-7.85	-8.58	-8.90	-8.74	-8.17	-7.32	-6.29	-5.20	-4.17	-3.30	-2.73	-2.55	-2.90	-3.83	-5.20	-6.82	-8.48
147.0	-9.30	-9.41	-9.43	-9.31	-8.96	-8.30	-7.31	-6.17	-5.10	-4.34	-4.10	-4.55	-5.52	-6.79	-8.13	-9.30	-10.13	-10.63	-10.86	-10.90
146.5	-1.60	-4.16	-6.60	-8.80	-10.64	-12.00	-12.81	-13.17	-13.22	-13.12	-13.00	-12.98	-13.03	-13.09	-13.10	-13.00	-12.75	-12.37	-11.90	-11.40
146.0	-5.20	-7.18	-9.03	-10.64	-11.87	-12.60	-12.75	-12.42	-11.76	-10.90	-10.00	-9.19	-8.55	-8.16	-8.08	-8.40	-9.14	-10.19	-11.38	-12.53
145.5	-7.00	-9.24	-11.26	-12.82	-13.71	-13.70	-12.67	-10.91	-8.82	-6.82	-5.30	-4.56	-4.50	-4.90	-5.57	-6.30	-6.91	-7.38	-7.72	-7.92
145.0	-4.50	-5.12	-5.67	-6.05	-6.19	-6.00	-5.45	-4.71	-3.96	-3.43	-3.30	-3.72	-4.53	-5.51	-6.44	-7.10	-7.31	-7.16	-6.75	-6.22
144.5	-9.40	-7.34	-5.43	-3.80	-2.61	-2.00	-2.05	-2.62	-3.49	-4.45	-5.30	-5.87	-6.18	-6.31	-6.32	-6.30	-6.30	-6.32	-6.38	-6.47
144.0	-7.10	-5.59	-4.25	-3.24	-2.73	-2.90	-3.83	-5.33	-7.12	-8.94	-10.50	-11.59	-12.21	-12.40	-12.21	-11.70	-10.92	-9.98	-8.99	-8.05
143.5	-18.40	-17.39	-16.29	-15.03	-13.53	-11.70	-9.53	-7.25	-5.19	-3.63	-2.90	-3.19	-4.30	-5.92	-7.72	-9.40	-10.70	-11.61	-12.17	-12.42
143.0	-6.90	-7.95	-8.85	-9.43	-9.53	-9.00	-7.78	-6.26	-4.91	-4.23	-4.70	-6.60	-9.40	-12.36	-14.74	-15.80	-15.04	-12.85	-9.88	6.75
142.5	-7.50	-6.99	-6.46	-5.90	-5.28	-4.60	-3.86	-3.21	-2.80	-2.81	-3.40	-4.65	-6.30	-8.00	-9.38	-10.10	-9.92	-9.04	-7.81	6.56
142.0	1.00	52	-0.08	-0.89	-2.03	-3.60	-5.65	-7.92	-10.10	-11.87	-12.90	-12.99	-12.42	-11.57	-10.83	-10.60	-11.14	-12.28	-13.71	-15.15
141.5	-4.00	-5.73	-7.27	-8.42	-9.00	-8.80	-7.74	-6.09	-4.25	-2.59	-1.50	-1.26	-1.76	-2.77	-4.09	-5.50	-6.81	-7.98	-8.98	-9.79
141.0	-9.30	-8.04	-6.85	-5.81	-5.01	-4.50	-4.35	-4.52	-4.96	-5.60	-6.40	-7.28	-8.14	-8.85	-9.31	-9.40	-9.04	-8.35	-7.48	-6.58
140.5	-8.40	-6.77	-5.32	-4.19	-3.56	-3.60	-4.39	-5.68	-7.15	-8.46	-9.30	-9.42	-8.96	-8.12	-7.13	-6.20	-5.51	-5.11	-4.97	-5.10
140.0	-3.00	-2.69	-2.43	-2.27	-2.28	-2.50	-2.99	-3.84	-5.13	-6.96	-9.40	-12.46	-15.77	-18.87	-21.30	-22.60	-22.46	-21.17	-19.17	-16.90
139.5	-2.30	-2.44	-2.57	-2.68	-2.76	-2.80	-2.80	-2.79	-2.86	-3.04	-3.40	-3.98	-4.73	-5.61	-6.55	-7.50	-8.40	-9.23	-9.96	10.56
139.0	-3.80	-4.23	-4.67	-5.11	-5.55	-6.00	-6.46	-6.91	-7.34	-7.74	-8.10	-8.40	-8.61	-8.71	-8.69	-8.50	-8.15	-7.72	-7.30	7.00
138.5	-2.0	-4.8	-8.4	-1.39	-2.21	-3.40	-4.99	-6.83	-8.70	-10.40	-11.70	-12.46	-12.76	-12.72	-12.49	-12.20	-11.96	-11.80	-11.72	11.72
138.0	-10.40	-10.97	-11.45	-11.78	-11.85	-11.60	-10.98	-10.12	-9.19	-8.36	-7.80	-7.62	-7.71	-7.92	-8.07	-8.00	-7.60	-6.95	-6.18	5.42
137.5	-3.00	-4.64	-6.28	-7.90	-9.51	-11.10	-12.62	-13.88	-14.64	-14.66	-13.70	-11.65	-8.86	-5.84	-3.05	-1.00	-0.04	-0.01	-6.5	1.67
137.0	-15.50	-11.67	-8.17	-5.32	-3.46	-2.90	-3.83	-5.84	-8.36	-10.84	-12.70	-13.54	-13.55	-13.07	-12.44	-12.00	-12.00	-12.37	-12.95	13.58

ASPECT

BISTATIC ANGLE

ASPECT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
115.0	4.90	-5.47	5.93	6.15	6.01	5.40	4.28	-2.96	-1.83	1.28	-1.70	-3.33	-5.79	-8.57	-11.15	-13.00	-13.75	-13.57	-12.81	-11.71
115.5	-14.70	-12.84	-10.98	9.12	-7.26	-5.40	-3.60	-2.15	-1.40	-1.70	-3.40	-6.65	-10.81	-15.03	-18.47	-20.30	-19.92	-17.79	-14.61	-11.08
114.0	6.60	-6.29	6.04	-5.89	-5.89	6.10	-6.56	-7.31	-8.37	9.76	-11.50	-13.55	-15.60	-17.23	-18.06	-17.70	-15.90	-13.03	-9.59	-6.11
113.5	90	-1.39	3.50	-5.24	-6.44	6.90	-6.53	-5.53	-4.20	-2.82	-1.70	-1.05	-0.84	-0.95	-1.27	-1.70	-2.15	-2.60	-3.05	-3.52
113.0	7.60	-7.52	-7.58	-7.90	-8.63	-9.90	-11.75	-13.87	-15.85	-17.30	-17.80	-17.09	-15.45	-13.29	-11.00	-9.00	-7.61	-6.81	-6.49	-6.52
112.5	8.70	-7.36	-6.07	-4.88	-3.84	-3.00	-2.40	-2.04	-1.88	-1.91	-2.10	-2.42	-2.80	-3.15	-3.38	-3.40	-3.16	-2.72	-2.20	-1.69
112.0	-4.50	-5.41	-6.29	-7.08	-7.77	-8.30	-8.67	-9.00	-9.41	-10.07	-11.10	-12.57	-14.20	-15.64	-16.52	-16.50	-15.34	-13.31	-10.83	-8.29
111.5	3.70	-4.02	-4.42	-4.98	-5.78	-6.90	-8.36	-9.93	-11.35	-12.33	-12.60	-11.98	-10.70	-9.12	-7.57	-6.40	-5.87	-5.90	-6.34	-7.02
111.0	14.00	-11.61	-9.29	-7.10	5.12	-3.40	2.01	-0.96	-2.7	0.5	0.00	-0.42	-1.14	-2.04	-3.02	-4.00	-4.88	-5.65	-6.31	-6.86
110.5	12.00	-11.00	-10.11	-9.44	9.10	-9.20	-9.78	-10.57	-11.26	-11.51	-11.00	9.53	-7.50	-5.41	-3.81	-3.20	-3.95	-5.74	-8.10	-10.55
110.0	4.20	-3.35	-2.61	-2.11	-1.97	-2.30	-3.15	-4.31	-5.46	-6.33	-6.60	6.11	-5.13	-4.05	-3.28	-3.20	-4.09	-5.70	-7.66	-9.62
109.5	6.10	-5.65	-5.40	-5.57	-6.37	-8.00	-10.53	-13.47	-16.17	-17.99	-18.30	-16.70	-13.74	-10.24	-6.99	-4.80	-4.25	-5.04	-6.65	-8.58
109.0	4.90	-4.12	-3.47	-3.05	-2.99	-3.40	-4.35	-5.65	-7.07	-8.37	-9.30	-9.69	-9.60	-9.15	-8.48	-7.70	-6.92	-6.18	-5.47	-4.81
108.5	7.70	-8.31	-8.87	-9.34	-9.66	-9.60	-5.88	-4.71	-3.46	-2.50	-2.20	-2.81	-4.13	-5.83	-7.59	-9.10	-10.10	-10.62	-10.76	-10.62
108.0	5.10	-6.45	-7.71	-8.80	-9.63	-10.10	-10.18	-10.00	-9.75	-9.58	9.70	10.21	-10.96	-11.77	-12.41	-12.70	-12.47	-11.80	-10.80	-9.60
107.5	8.70	-9.32	-9.81	-10.07	-9.98	-9.40	-8.31	-6.96	-5.72	-4.91	-4.90	-5.90	-7.60	-9.59	-11.43	-12.70	-13.08	-12.67	-11.71	-10.41
107.0	90	1.31	1.73	-2.18	-2.67	-3.20	-3.78	-4.37	-4.91	-5.34	-5.60	-5.67	-5.64	-5.64	-5.78	-6.20	-6.97	-7.96	-9.01	-9.95
106.5	3.40	3.14	3.00	-2.92	-2.91	-3.00	-3.21	-3.51	-3.86	-4.24	-4.60	-4.92	-5.22	-5.52	-5.83	-6.20	-6.62	-7.02	-7.31	-7.40
106.0	8.20	-8.90	-9.55	-10.12	-10.55	-10.80	-10.84	-10.60	-10.28	-9.69	-8.90	-7.94	-6.93	-5.99	-5.27	-4.90	-4.97	-5.35	-5.90	-6.44
105.5	10.50	-8.60	-6.86	-5.45	-4.55	-4.30	-4.81	-5.86	-7.19	-8.49	-9.50	-10.00	-10.09	-9.93	-9.68	-9.50	-9.51	-9.62	-9.70	-9.60
105.0	5.90	-8.41	-10.62	-12.22	-12.92	-12.40	-10.54	-7.88	-5.15	-3.05	-2.30	-3.37	-5.70	-8.51	-10.97	-12.30	-11.92	-10.18	-7.68	-4.99
104.5	1.40	-1.54	-1.70	-1.91	-2.20	-2.60	-3.12	-3.76	-4.49	-5.31	-6.20	-7.13	-8.02	-8.80	-9.39	-9.70	-9.68	-9.42	-9.02	-8.61
104.0	4.60	-4.27	-4.03	-3.96	-4.16	-4.70	-5.63	-6.79	-7.98	-8.98	-9.60	-9.68	-9.32	-8.66	-7.83	-7.00	-6.27	-5.65	-5.10	-4.59
103.5	9.40	-9.49	-9.44	-9.13	-8.43	-7.20	-5.41	-3.37	-1.52	-0.25	0.00	1.00	-2.79	-4.76	-6.27	-6.70	-5.62	-3.38	-0.53	2.38
102.5	5.00	-6.26	-7.34	-8.06	-8.24	-7.70	-6.38	-4.65	-3.00	-1.92	-1.90	-3.23	-5.39	-7.68	-9.39	-9.80	-8.43	-5.68	-2.19	1.41
102.0	9.70	-9.57	-9.44	-9.29	-9.11	-8.90	-8.67	-8.51	-8.54	-8.86	-9.60	-10.77	-12.06	-13.05	-13.34	-12.50	-10.29	-7.10	-3.46	0.99
101.5	4.30	-6.69	-8.83	-10.45	-11.29	-11.10	-9.75	-7.62	-5.24	-3.13	-1.80	-1.60	-2.20	-3.07	-3.71	-3.60	-2.38	-0.32	2.16	4.64
101.0	2.60	-4.9	1.30	2.43	2.57	1.40	-1.24	-4.77	-8.46	-11.55	-13.30	-13.18	-11.54	-8.94	-5.94	-3.10	-0.87	0.76	1.92	2.72
100.5	12.60	-10.87	-9.26	-7.88	-6.85	-6.30	-6.29	-6.69	-7.35	-8.07	-8.70	-9.08	-9.10	-8.70	-7.79	-6.30	-4.20	-1.69	0.95	3.47
100.0	9.00	-7.43	-5.98	-4.78	-3.94	-3.60	-3.79	-4.24	-4.59	-4.50	-3.60	-1.71	0.69	2.97	4.48	4.60	2.90	-0.15	-3.86	-7.54
99.5	6.90	-4.52	-2.41	-0.84	-0.08	-1.40	-1.92	-4.17	-6.51	-8.33	-9.00	-8.10	-6.01	-3.34	-0.67	1.40	2.42	2.52	1.97	1.04
99.0	9.70	-7.80	-5.96	-4.22	-2.65	-1.30	-0.20	0.67	1.36	1.92	2.40	2.82	3.11	3.19	2.99	2.99	1.39	0.08	-1.36	-2.78
98.5	2.80	-5.65	-8.15	-9.93	-10.63	-9.90	-7.55	-4.11	-2.9	3.22	5.70	6.64	6.24	4.90	2.99	0.90	-1.04	-2.75	-4.23	-5.45
98.0	-2.80	-3.75	-4.59	-5.20	-5.47	-5.30	-4.60	-3.47	-2.01	-0.34	1.40	3.10	4.59	5.70	6.26	6.10	5.13	3.57	1.71	-0.15
97.5	60	-2.15	-4.59	-6.39	-7.23	-6.80	-4.92	-1.96	1.57	5.16	8.30	10.56	11.83	12.11	11.37	9.60	6.85	3.45	-0.22	-3.68
97.0	-1.10	-2.95	-4.65	-6.04	-6.97	-7.30	-6.93	-6.01	-4.77	-3.43	-2.20	-1.26	-0.63	-0.26	-0.13	-0.20	0.44	-0.79	-1.22	-1.67
96.5	10	1.83	3.38	4.53	5.10	4.90	3.83	2.24	0.54	-0.82	-1.40	-0.92	0.34	1.95	3.48	4.50	4.69	4.20	3.28	2.20
96.0	-15.10	-15.41	-15.46	-14.99	-13.72	-11.40	-7.92	-3.85	1.1	3.23	4.80	4.35	2.43	-0.17	-2.64	-4.26	-4.26	-3.12	-1.31	0.67
95.5	9.00	-6.14	-3.33	-0.62	1.94	4.30	6.38	8.01	8.96	9.02	8.00	5.81	2.95	0.04	2.29	-3.40	2.88	-1.08	1.41	4.03
95.0	-70	0.78	2.23	3.64	4.97	6.20	7.30	8.18	8.73	8.88	8.50	7.55	6.16	4.49	2.72	1.00	-0.52	-1.82	2.91	-3.80
94.5	-2.80	-2.92	-2.93	-2.74	-2.23	-1.30	-0.8	1.64	3.06	3.99	4.10	3.17	1.45	-0.73	-2.99	-5.00	6.47	-7.44	8.03	8.34
94.0	7.10	5.09	3.14	1.33	-0.27	-1.60	-2.60	-3.25	-3.55	-3.50	-3.10	-2.38	-1.50	-0.68	-1.1	0.0	4.8	1.43	2.63	3.89

ASPECT

BISTATIC ANGLE

ASPECT ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
91.5	5.00	1.45	1.75	4.26	5.73	5.80	4.32	1.82	9.7	3.31	4.50	4.04	2.42	3.5	1.43	2.20	1.45	5.50	3.13	5.90
91.0	8.20	8.22	8.16	7.97	7.58	6.90	5.92	4.80	3.72	2.89	2.50	2.67	3.15	3.65	3.84	3.40	2.13	2.6	1.88	3.95
92.5	7.20	6.86	6.55	6.29	6.09	6.00	6.00	5.98	5.80	5.32	4.40	2.97	1.21	6.3	2.28	3.50	4.10	4.21	4.00	3.67
92.0	4.40	3.77	3.19	2.71	2.36	2.20	2.24	2.37	2.44	2.30	1.80	.84	5.0	2.10	3.84	5.60	7.26	8.76	10.02	10.99
91.5	3.70	.85	1.66	3.53	4.42	4.00	2.14	5.6	3.29	5.27	5.70	4.05	.92	2.84	6.37	8.80	9.51	8.82	7.28	5.46
91.0	7.20	6.77	6.29	5.70	4.95	4.00	2.82	1.53	3.0	7.3	1.40	1.61	1.52	1.32	1.25	1.50	2.23	3.33	4.63	5.98
90.5	10.90	9.13	7.46	6.00	4.84	4.10	3.81	3.77	3.73	3.42	2.60	1.09	1.85	2.91	4.74	6.00	6.46	6.26	5.64	4.84
90.0	3.40	2.03	7.6	2.9	1.01	1.30	1.10	5.5	13	7.5	1.10	1.02	51	44	1.78	3.50	5.55	7.74	9.89	11.78
89.5	6.30	6.17	5.95	5.57	4.95	4.00	2.69	1.15	4.3	1.87	3.00	3.68	4.03	4.21	4.38	4.70	5.29	6.07	6.90	7.76
89.0	5.90	2.39	8.2	3.45	5.21	5.80	5.04	3.15	4.9	2.60	5.80	8.78	11.33	13.28	14.43	14.60	13.70	12.01	9.89	7.70
88.5	3.20	2.19	1.23	3.8	3.2	8.0	1.05	1.16	1.27	1.50	2.00	2.82	3.80	4.68	5.23	5.20	4.45	3.16	1.62	1.0
88.0	2.20	2.93	3.55	3.97	4.09	3.80	3.04	1.86	3.7	1.35	3.20	5.07	6.81	8.21	9.10	9.30	8.70	7.53	6.09	4.68
87.5	3.40	2.57	1.77	1.05	4.5	.00	24	1.2	51	1.83	4.00	7.04	10.45	13.56	15.73	16.30	14.86	11.91	8.21	4.49
87.0	3.90	1.43	.84	2.69	3.91	4.30	3.77	2.70	1.63	1.06	1.50	3.28	5.97	8.92	11.51	13.10	13.25	12.23	10.53	8.59
86.5	6.00	4.60	3.12	1.47	4.4	2.70	5.32	8.07	10.63	12.71	14.00	14.28	13.70	12.50	10.92	9.20	7.55	6.05	4.79	3.81
86.0	2.10	1.83	1.53	1.16	6.9	1.0	6.3	1.38	2.01	2.40	2.40	1.94	1.20	4.2	1.6	3.0	1.18	1.14	2.38	3.70
85.5	3.70	1.15	1.22	3.23	4.68	5.40	5.28	4.51	3.36	2.10	1.00	27	.06	.03	3.33	1.00	1.93	3.01	4.15	5.21
85.0	3.30	2.30	1.50	1.12	1.35	2.40	4.35	6.76	9.07	10.70	11.10	9.91	7.59	4.85	2.36	1.80	1.67	1.71	3.45	5.43
84.5	2.20	2.47	2.84	3.43	4.35	5.70	7.52	9.57	11.51	13.03	13.80	13.61	12.72	11.46	10.20	9.30	9.01	9.22	9.70	10.23
84.0	1.90	3.56	5.08	6.30	7.09	7.30	6.86	6.00	5.05	4.31	4.10	4.63	5.68	6.91	7.99	8.60	8.50	7.82	6.81	5.69
83.5	6.70	5.62	4.58	3.60	2.73	2.00	1.43	1.01	6.9	4.7	3.0	1.8	1.17	1.36	1.84	1.70	2.98	4.52	6.14	7.63
83.0	2.70	2.39	2.13	1.94	1.89	2.00	2.30	2.74	3.25	3.76	4.20	4.51	4.70	4.80	4.82	4.80	4.75	4.72	4.74	4.85
82.5	.80	4.41	9.09	12.69	14.67	14.50	11.91	7.74	3.07	9.7	3.30	3.13	1.01	2.21	5.67	8.50	10.05	10.47	10.15	9.43
82.0	9.80	10.88	11.81	12.46	12.67	12.30	11.29	9.87	8.37	7.11	6.40	6.47	7.10	7.99	8.83	9.30	9.18	8.58	7.68	6.69
81.5	7.40	7.51	7.57	7.52	7.32	6.90	6.26	5.55	4.97	4.73	5.00	5.91	7.23	8.65	9.84	10.50	10.41	9.75	8.79	7.82
81.0	5.70	4.09	2.61	1.38	5.3	2.20	4.44	1.10	1.95	2.75	3.30	3.43	3.25	2.97	2.75	2.80	3.24	4.01	4.99	6.06
80.5	1.50	1.85	3.5	1.13	3.3	1.10	2.50	4.26	6.04	7.51	8.30	8.20	7.43	6.33	5.24	4.50	4.37	4.77	5.54	6.50
80.0	9.90	9.54	9.17	8.80	8.41	8.00	7.58	7.22	6.98	6.95	7.20	7.77	8.53	9.30	9.91	10.20	10.04	9.53	8.84	8.11
79.5	13.70	11.80	10.02	8.50	7.35	6.70	6.62	6.96	7.51	8.06	8.40	8.39	8.11	7.72	7.37	7.20	7.33	7.71	8.22	8.79
78.5	2.10	2.8	1.38	2.70	3.53	3.70	3.13	2.12	1.02	2.3	1.10	1.90	2.39	4.22	6.04	7.50	8.33	8.65	8.65	8.54
78.0	1.10	2.28	5.35	7.80	9.32	9.60	8.48	6.43	4.07	2.02	1.30	1.34	2.99	6.05	8.95	11.10	12.08	12.09	11.50	10.65
77.5	7.10	6.67	6.20	5.61	4.86	3.90	2.77	1.54	6.2	2.2	1.60	1.94	4.01	6.50	9.10	11.50	13.44	14.92	16.00	16.74
77.0	3.60	3.79	4.01	4.28	4.64	5.10	5.68	6.28	6.79	7.10	7.10	6.73	6.18	5.71	5.57	6.00	7.18	8.91	10.94	12.99
76.5	4.20	4.32	4.44	4.59	4.77	5.00	5.27	5.54	5.76	5.86	5.80	5.55	5.23	4.98	4.95	5.30	6.11	7.27	8.60	9.93
76.0	2.10	2.33	2.52	2.61	2.55	2.30	1.86	1.44	1.28	1.65	2.80	4.86	7.43	9.99	12.02	13.00	12.57	11.06	8.93	6.68
75.5	9.60	10.10	10.50	10.71	10.65	10.20	9.32	8.12	6.74	5.31	4.00	2.93	2.20	1.91	2.15	3.00	4.50	6.45	8.59	10.66
75.0	3.60	2.98	2.52	2.37	2.68	3.60	5.21	7.21	9.22	10.88	11.80	11.73	10.93	9.75	8.59	7.80	7.67	8.07	8.81	9.65
74.5	2.10	3.33	4.50	5.51	6.30	6.80	6.98	7.00	7.07	7.40	8.20	9.59	11.35	13.17	14.72	15.70	15.89	15.43	14.57	13.54
74.0	7.40	7.36	7.40	7.57	7.95	8.60	9.56	10.67	11.76	12.63	13.10	13.05	12.58	11.88	11.13	10.50	10.13	9.98	9.99	10.09
73.5	1.20	1.56	2.02	2.70	3.69	5.10	6.98	9.11	11.24	13.09	14.40	14.96	14.84	14.17	13.08	11.70	10.17	8.61	7.16	5.95
73.0	16.20	12.85	9.73	7.09	5.17	4.20	4.32	5.23	6.54	7.87	8.80	9.06	8.83	8.37	7.06	7.90	8.37	9.27	10.41	11.58
72.5	2.20	1.72	1.31	1.07	1.07	1.40	2.11	3.16	4.50	6.07	7.80	9.62	11.37	12.87	13.94	14.40	14.14	13.32	12.18	10.96

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
72.0	-8.20	-7.65	-7.15	-6.71	-6.38	-6.20	-6.19	-6.37	-6.73	-7.27	-8.00	-8.88	-9.78	-10.51	-10.91	-10.80	-10.08	-8.92	-7.54	-6.19
71.5	-8.50	-7.82	-7.25	-6.91	-6.62	-7.40	-8.41	-9.80	-11.40	-12.99	-14.40	-15.46	-16.14	-16.44	-16.36	-15.90	-15.08	-14.03	-12.87	-11.75
71.0	-2.90	-2.75	-2.59	-2.40	-2.18	-1.90	-1.59	-1.39	-1.47	-2.02	-3.20	-5.10	-7.39	-9.68	-11.56	-12.60	-12.54	-11.63	-10.24	-8.77
70.5	-6.60	-4.50	-2.63	-1.22	-0.50	-0.70	-1.94	-3.85	-5.97	-7.81	-8.90	-8.91	-8.07	-6.77	-5.38	-4.30	-3.81	-3.86	-4.31	-5.00
70.0	-8.0	-1.53	-2.18	-2.70	-2.99	-3.00	-2.70	-2.28	-1.98	-2.04	-2.70	-4.10	-5.94	-7.85	-9.43	-10.30	-10.18	-9.30	-8.00	-6.62
69.5	-20	-9.3	-2.00	-2.94	-3.69	-4.20	-4.43	-4.50	-4.55	-4.74	-5.20	-6.04	-7.11	-8.24	-9.23	-9.90	-10.11	-9.96	-9.56	-9.06
69.0	-3.50	-2.02	-0.69	-0.37	-1.02	-1.10	-0.54	-0.51	-1.87	-3.33	-4.70	-5.82	-6.72	-7.44	-8.05	-8.60	-9.14	-9.64	-10.07	-10.37
68.5	-1.30	-2.58	-3.73	-4.62	-5.12	-5.10	-4.50	-3.56	-2.58	-1.86	-1.70	-2.32	-3.57	-5.19	-6.95	-8.60	-9.94	-10.98	-11.76	-12.35
68.0	2.00	1.07	2.4	-0.40	-0.74	-0.70	-0.24	-0.42	-0.99	-1.18	-0.70	-0.62	-2.56	-4.74	-6.84	-8.50	-9.46	-9.82	-9.78	-9.51
-67.5	-3.00	-2.80	-2.62	-2.46	-2.35	-2.30	-2.31	-2.35	-2.38	-2.34	-2.20	-1.94	-1.66	-1.49	-1.56	-2.00	-2.89	-4.14	-5.62	-7.18
-67.0	-4.20	-2.88	-1.69	-0.74	-0.17	-0.10	-0.61	-1.59	-2.91	-4.43	-6.00	-7.49	-8.79	-9.82	-10.49	-10.70	-10.42	-9.79	-9.03	-8.43
-66.5	-3.90	-1.80	-1.11	-1.61	-2.50	-2.60	-1.81	-0.53	-0.72	-1.44	-1.10	-0.62	-3.34	-6.46	-9.41	-11.60	-12.61	-12.64	-12.01	-11.09
-66.0	-2.60	-1.35	-0.19	-0.79	-1.52	-1.90	-1.85	-1.32	-0.25	-1.40	-3.70	-6.60	-9.75	-12.70	-15.00	-16.20	-16.01	-14.72	-12.76	-10.58
-65.5	-30	-36	-85	-103	-73	-20	-180	-356	-485	-504	-350	-12	-503	-10.13	-14.35	-16.60	-16.13	-13.54	-9.72	-5.60
-65.0	1.60	1.11	0.62	1.2	-0.38	-0.90	-1.43	-1.94	-2.41	-2.80	-3.10	-3.30	-3.49	-3.82	-4.42	-5.40	-6.85	-8.64	-10.57	-12.45
-64.5	2.10	-1.32	-0.54	-2.6	-1.07	-1.90	-2.73	-3.44	-3.88	-3.88	-3.30	-2.06	-3.6	-1.51	-3.29	-4.70	-5.53	-5.89	-5.95	-5.89
-64.0	-4.80	-2.96	-1.20	-3.7	-1.66	-2.60	-3.09	-3.09	-2.55	-1.43	-30	-2.62	-5.23	-7.76	-9.84	-11.10	-11.29	-10.65	-9.52	-8.25
-63.5	-1.90	-1.08	-0.27	-0.51	-1.23	-1.90	-2.47	-2.83	-2.84	-2.37	-1.30	-0.44	-2.63	-4.95	-7.11	-8.80	-9.80	-10.25	-10.34	-10.29
-63.0	90	1.46	1.96	2.35	2.59	2.60	2.37	1.98	1.55	1.18	1.00	1.06	1.19	1.19	0.83	-1.0	-1.73	-3.84	-6.12	-8.28
-62.5	1.60	2.10	2.64	3.24	3.95	4.80	5.75	6.48	6.58	5.65	3.30	-0.67	-5.58	-10.56	-14.73	-17.20	-17.36	-15.66	-12.81	-9.52
-62.0	-50	1.00	2.39	3.55	4.35	4.70	4.50	3.82	2.74	1.37	-2.0	-1.88	-3.57	-5.15	-6.53	-7.60	-8.29	-8.67	-8.86	-8.97
-61.5	2.60	3.54	4.32	4.79	4.80	4.20	2.90	1.09	-0.98	3.02	-4.80	-6.11	-7.01	-7.62	-8.08	-8.50	-8.98	-9.49	-9.99	-10.41
-61.0	3.00	4.00	4.95	5.78	6.45	6.90	7.07	6.90	6.34	5.32	3.80	1.76	-5.8	-2.97	-5.13	-6.80	-7.79	-8.20	-8.19	-7.93
-60.5	3.70	5.04	6.18	6.89	6.96	6.20	4.49	2.13	-0.44	2.83	4.60	-5.47	-5.63	-5.38	-5.03	-4.90	-5.22	-5.91	-6.82	-7.80
-60.0	7.10	7.15	7.14	6.98	6.63	6.00	5.07	3.97	2.86	1.92	1.30	1.11	1.14	1.13	0.80	-1.0	-1.76	-3.97	-6.45	-8.89
-59.5	7.60	7.61	7.59	7.53	7.41	7.20	6.86	6.28	5.34	3.88	1.80	-0.95	-3.97	-6.78	-8.88	-9.80	-9.21	-7.46	-5.10	-2.63
-59.0	7.70	7.62	7.46	7.12	6.53	5.60	4.28	2.66	0.90	-0.86	-2.50	-3.90	-5.14	-6.30	-7.49	-8.80	-10.30	-11.87	-13.36	-14.62
-58.5	8.30	8.84	9.15	9.00	8.16	6.40	3.62	2.8	-3.06	5.81	-7.40	-7.43	-6.29	-4.56	-2.80	-1.60	-1.38	-1.98	-3.09	-4.40
-58.0	10.30	9.62	8.94	8.25	7.53	6.80	6.02	5.14	4.06	2.71	1.00	-1.09	-3.33	-5.45	-7.17	-8.20	-8.37	-7.87	-6.99	-6.04
-57.5	5.90	6.48	6.97	7.29	7.37	7.10	6.44	5.42	4.09	2.54	0.80	-1.03	-2.82	-4.40	-5.62	-6.30	-6.36	-5.93	-5.22	-4.44
-57.0	7.70	8.07	8.27	8.09	7.36	5.90	3.63	0.94	-1.69	3.77	-4.80	-4.47	-3.20	-1.57	-1.17	-0.40	-0.27	-1.92	-4.13	-6.46
-56.5	9.10	8.86	8.59	8.29	7.93	7.50	6.96	6.21	5.16	3.69	1.70	-0.84	-3.61	-6.24	-8.33	-9.50	-9.49	-8.57	-7.16	-5.67
-56.0	7.10	7.28	7.33	7.11	6.48	5.30	3.51	1.33	-0.98	-3.11	-4.80	-5.83	-6.30	-6.37	-6.22	6.00	-5.86	-5.82	-5.89	-6.05
-55.5	8.90	9.76	10.39	10.59	10.13	8.80	6.47	3.44	1.1	-3.14	-5.90	-7.88	-9.15	-9.86	-10.19	-10.30	-10.32	-10.28	-10.16	-9.97
-55.0	10.10	9.42	8.71	7.93	7.04	6.00	4.80	3.52	2.23	1.03	0.00	-0.80	-1.44	-2.03	-2.68	-3.50	-4.56	-5.78	-7.03	-8.21
-54.5	6.00	6.44	6.77	6.89	6.66	6.00	4.82	3.19	1.22	-0.98	-3.30	-5.63	-7.83	-9.73	-11.17	-12.00	-12.12	-11.70	-10.95	-10.11
-54.0	9.20	9.29	9.30	9.16	8.78	8.10	7.06	5.74	4.24	2.66	1.10	-0.35	-1.65	-2.77	-3.70	-4.40	-4.87	-5.15	-5.29	-5.36
-53.5	8.20	9.17	9.87	10.00	9.31	7.50	4.47	0.74	-2.96	-5.94	-7.50	-7.17	-5.44	-3.05	-0.72	0.80	0.99	0.07	-1.52	-3.35
-53.0	6.80	7.29	7.62	7.62	7.14	6.00	4.14	1.80	-0.66	-2.91	-4.60	-5.50	-5.83	-5.90	-6.05	-6.60	-7.77	-9.40	-11.20	-12.93
-52.5	8.00	8.84	9.52	9.89	9.80	9.10	7.69	5.73	3.47	1.11	-1.10	-2.99	-4.54	-5.80	-6.81	-7.60	-8.22	-8.68	-9.02	-9.25
-52.0	9.80	9.50	9.08	8.43	7.44	6.00	4.05	1.82	-0.42	-2.39	-3.80	-4.46	-4.55	-4.31	-4.01	-3.90	-4.18	-4.77	-5.53	-6.32
-51.5	10.10	9.88	9.62	9.29	8.82	8.20	7.38	6.36	5.14	3.72	2.10	0.33	-1.41	-2.88	-3.85	-4.10	-3.48	-2.24	-0.67	-0.88
-51.0	7.30	7.74	8.04	8.06	7.66	6.70	5.12	3.19	1.23	-0.41	-1.40	-1.52	-1.08	-0.51	-0.24	-0.70	-2.19	-4.48	-7.20	-10.00

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
29.0	11.60	11.26	10.80	10.09	9.00	7.40	5.24	2.70	.05	2.47	4.60	-6.14	-7.13	-7.66	-7.82	-7.70	-7.40	-7.02	6.68	6.47
28.5	12.70	12.34	11.79	10.89	9.45	7.30	4.36	1.00	-2.32	5.11	6.90	-7.38	-6.85	-5.75	-4.55	-3.70	-3.54	-3.98	4.84	5.91
28.0	11.50	11.54	11.37	10.78	9.56	7.50	4.52	1.04	-2.39	5.22	6.90	-7.07	-6.14	-4.72	-3.40	-2.80	-3.35	-4.83	6.84	8.99
27.5	11.90	11.48	10.94	10.17	9.06	7.50	5.43	3.10	.78	-1.22	2.60	-3.18	-3.19	-2.99	-2.91	-3.30	-4.41	-6.05	-7.93	9.78
27.0	10.80	10.71	10.43	9.80	8.61	6.70	3.99	.84	-2.28	-4.88	6.50	-6.82	-6.18	-5.07	-3.98	-3.40	-3.70	-4.70	-6.10	7.60
26.5	10.80	11.01	11.02	10.63	9.66	7.90	5.27	2.16	-.94	-3.52	5.10	-5.34	-4.59	-3.37	-2.20	-1.60	-1.95	-3.08	-4.66	6.37
26.0	11.20	11.29	11.15	10.55	9.28	7.10	3.93	.26	-3.27	6.04	-7.40	-6.96	-5.26	-3.07	-1.16	-.30	-1.05	-3.07	-5.82	8.75
25.5	10.10	10.37	10.43	10.10	9.15	7.40	4.76	1.65	-1.41	-3.87	-5.20	-5.06	-3.91	-2.38	-1.13	-.80	-1.85	-3.99	-6.72	9.55
25.0	9.40	9.90	10.22	10.18	9.60	8.30	6.20	3.62	.99	-1.30	-2.80	-3.25	-2.95	-2.33	-1.83	-1.90	-2.85	-4.49	-6.50	8.58
24.5	10.80	11.43	11.76	11.51	10.39	8.10	4.53	.26	-3.96	-7.36	9.20	-8.98	-7.27	-4.92	-2.75	-1.60	-2.08	-3.88	6.45	9.24
24.0	9.30	9.76	10.04	9.94	9.29	7.90	5.69	3.02	.35	-1.84	3.10	-3.12	-2.30	-1.16	-.28	-.20	-1.30	-3.33	-5.86	8.46
23.5	10.20	10.07	9.80	9.27	8.35	6.90	4.88	2.56	.30	1.54	2.60	-2.65	-2.02	-1.15	-.49	-.50	-1.49	-3.24	-5.40	7.60
23.0	10.00	10.38	10.56	10.32	9.47	7.80	5.23	2.15	-.89	3.39	4.80	-4.80	-3.79	-2.39	-1.19	-.80	-1.65	-3.46	5.80	8.23
22.5	10.20	10.42	10.46	10.14	9.28	7.70	5.32	2.52	-.24	2.47	3.70	-3.64	-2.72	-1.57	-.79	-1.00	-2.63	-5.33	8.55	11.76
22.0	9.10	9.51	9.76	9.70	9.16	8.00	6.14	3.88	1.59	-.33	1.50	-1.69	-1.25	-.69	-.50	-1.20	-3.12	-5.93	-9.14	12.26
21.5	8.30	9.13	9.77	10.01	9.65	8.50	6.47	3.88	1.20	1.14	2.70	-3.18	-2.94	-2.46	-2.25	-2.80	-4.46	-6.94	9.77	12.51
21.0	8.10	8.73	9.20	9.32	8.95	7.90	6.10	3.83	1.47	-.64	-2.10	-2.69	-2.68	-2.49	-2.53	-3.20	-4.79	-7.04	9.57	11.98
20.5	8.40	8.96	9.35	9.43	9.03	8.00	6.26	4.09	1.84	-.11	1.40	-1.81	-1.63	-1.30	-1.25	-1.90	-3.55	-5.93	-8.62	11.22
20.0	8.80	9.33	9.71	9.78	9.39	8.40	6.73	4.65	2.52	.68	-.50	-.81	-.55	-.17	-.11	-.80	-2.54	-5.06	-7.91	10.66
19.5	9.00	9.08	9.06	8.84	8.32	7.40	6.03	4.40	2.74	1.29	.30	-.10	-.14	-.15	-.46	-1.40	-3.18	-5.57	-8.19	10.69
19.0	8.00	8.56	8.97	9.08	8.74	7.80	6.19	4.18	2.10	.29	-.90	-1.26	-1.08	-.75	-.69	-1.30	-2.86	-5.11	-7.67	10.16
18.5	8.00	8.67	9.12	9.34	9.01	8.00	6.25	4.05	1.78	-.16	-1.40	-1.68	-1.32	-.77	-.48	-.90	-2.35	-4.55	-7.12	9.63
18.0	9.00	9.12	9.17	8.91	8.37	7.40	5.94	4.20	2.44	.92	-.10	-.46	-.39	-.24	-.33	-1.00	-2.48	-4.54	-6.86	9.09
17.5	6.00	7.16	8.13	8.75	8.83	8.20	6.76	4.79	2.63	.65	-.80	-1.48	-1.61	-1.53	-1.58	-2.10	-3.32	-5.06	-7.01	8.89
17.0	5.70	7.03	8.16	8.88	9.00	8.30	6.69	4.48	2.09	-.08	-1.60	-2.20	-2.14	-1.80	-1.59	-1.90	-3.00	-4.69	-6.65	8.56
16.5	7.40	8.09	8.63	8.88	8.68	7.90	6.46	4.59	2.61	.85	-.40	-.92	-.94	-.80	-.84	-1.40	-2.71	-4.56	-6.64	8.62
16.0	7.10	7.77	8.32	8.60	8.51	7.90	6.72	5.17	3.52	2.04	1.00	.57	.50	.44	.06	-1.00	-2.96	-5.54	-8.36	11.01
15.5	7.60	8.10	8.46	8.54	8.20	7.30	5.78	3.88	1.93	.26	-.80	-1.06	-.81	-.49	-.51	-1.30	-3.14	-5.74	-8.64	11.41
15.0	8.20	8.53	8.73	8.66	8.20	7.20	5.61	3.67	1.70	.00	-1.10	-1.41	-1.22	-.94	-.96	-1.70	-3.43	-5.86	-8.58	11.16
14.5	7.40	8.16	8.77	9.08	8.94	8.20	6.79	4.95	3.00	1.24	.00	-.52	-.58	-.53	-.75	-1.60	-3.32	-5.67	-8.25	10.68
14.0	7.30	8.00	8.57	8.87	8.80	8.20	7.02	5.46	3.78	2.24	1.10	.53	.32	.15	-.28	-1.30	-3.10	-5.44	-7.97	10.34
13.5	6.60	7.16	7.61	7.83	7.70	7.10	5.98	4.53	2.99	1.59	.60	.16	.05	-.02	-.37	-1.30	-3.00	-5.25	-7.69	9.99
13.0	5.60	6.47	7.21	7.66	7.71	7.20	6.07	4.54	2.88	1.37	.30	-.15	-.22	-.23	-.51	-1.40	-3.10	-5.38	-7.88	10.24
12.5	6.70	7.52	8.20	8.60	8.58	8.00	6.79	5.16	3.38	1.73	.50	-.14	-.39	-.55	-.92	-1.80	-3.39	-5.47	-7.75	9.89
12.0	7.40	8.02	8.53	8.80	8.73	8.20	7.15	5.73	4.18	2.69	1.50	.74	.25	-.20	-.84	-1.90	-3.53	-5.56	-7.70	9.70
11.5	6.80	7.38	7.86	8.15	8.12	7.70	6.82	5.62	4.28	2.98	1.90	1.16	.62	.07	-.70	-1.90	-3.66	-5.79	-8.04	10.13
11.0	6.00	6.72	7.34	7.75	7.84	7.50	6.85	5.52	4.21	2.94	1.90	1.21	.71	.19	-.57	-1.80	-3.63	-5.86	-8.22	10.42
10.5	6.80	7.44	7.97	8.27	8.26	7.80	6.85	5.56	4.13	2.78	1.70	1.03	.60	.18	-.47	-1.60	-3.35	-5.52	-7.84	10.03
10.0	7.40	8.00	8.49	8.75	8.66	8.10	7.02	5.59	4.04	2.60	1.50	.88	.56	.25	-.31	-1.40	-3.20	-5.49	-7.97	10.31
9.5	7.40	8.02	8.52	8.78	8.68	8.10	6.98	5.50	3.91	2.47	1.40	.87	.66	.45	-.06	-1.20	-3.16	-5.68	-8.42	11.01
9.0	7.20	7.80	8.27	8.51	8.39	7.80	6.67	5.20	3.63	2.21	1.20	.75	.63	.53	.13	-.90	-2.76	-5.21	-7.89	10.44
8.5	7.20	7.68	8.05	8.20	8.02	7.40	6.29	4.86	3.36	2.03	1.10	.72	.66	.59	.18	-.90	-2.85	-5.43	-8.24	10.92
8.0	7.50	7.88	8.15	8.21	7.96	7.30	6.17	4.75	3.26	1.93	1.00	.59	.49	.39	-.04	-1.10	-2.99	-5.48	-8.19	10.79

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
7.5	7.60	7.94	8.18	8.22	7.96	7.30	6.20	4.81	3.36	2.05	1.10	.65	.48	.33	.11	-1.10	-2.84	-5.11	-7.61	-10.01
7.0	7.40	7.80	8.09	8.19	7.99	7.40	6.36	5.03	3.61	2.30	1.30	.74	.57	.44	.34	-1.30	-2.89	-4.93	-7.15	-9.30
6.5	7.20	7.60	7.90	8.01	7.84	7.30	6.33	5.08	3.74	2.48	1.50	.92	.75	.63	.51	-1.30	-2.87	-4.86	-7.03	-9.12
6.0	7.20	7.59	7.88	7.97	7.78	7.20	6.18	4.88	3.49	2.19	1.20	.63	.46	.33	.23	-1.40	-2.94	-4.91	-7.07	-9.18
5.5	7.20	7.57	7.84	7.92	7.70	7.10	6.06	4.73	3.29	1.95	.90	.26	.13	.03	-.46	-1.90	-3.36	-5.21	-7.25	-9.25
5.0	7.50	7.76	7.9	7.92	7.64	7.00	5.95	4.62	3.21	1.87	.80	.11	-.34	-.74	-1.29	-2.20	-3.59	-5.33	-7.23	-9.08
4.5	8.10	8.15	8.13	7.97	7.58	6.90	5.89	4.66	3.34	2.07	1.00	.22	-.48	-.93	-1.59	-2.50	-3.76	-5.27	-6.88	-8.44
4.0	6.90	7.17	7.37	7.43	7.26	6.80	6.01	4.96	3.77	2.54	1.40	.42	-.35	-.85	-1.29	-2.18	-3.20	-4.40	-5.71	-7.05
3.5	6.40	6.76	7.05	7.18	7.09	6.70	5.96	4.96	3.79	2.57	1.40	.37	-.57	-1.49	-2.44	-3.50	-4.71	-6.01	-7.30	-8.49
3.0	6.50	6.81	7.05	7.14	7.01	6.60	5.85	4.85	3.69	2.47	1.30	.25	-.71	-1.66	-2.67	-3.80	-5.10	-6.48	-7.84	-9.09
2.5	6.70	6.96	7.14	7.19	7.03	6.60	5.85	4.85	3.69	2.48	1.30	.22	-.79	-1.80	-2.88	-4.10	-5.49	-6.96	-8.41	-9.73
2.0	6.90	7.12	7.28	7.29	7.09	6.60	5.79	4.74	3.55	2.33	1.20	.23	-.66	-1.58	-2.62	-3.90	-5.48	-7.26	-9.06	-10.72
1.5	7.00	7.27	7.46	7.48	7.26	6.70	5.77	4.57	3.26	1.99	.90	.09	-.55	-1.20	-2.03	-3.20	-4.82	-6.76	-8.81	-10.75
1.0	7.10	7.37	7.55	7.56	7.30	6.70	5.70	4.44	3.07	1.77	.70	-.03	-.55	-1.06	-1.74	-2.80	-4.36	-6.27	-8.32	-10.30
.5	7.10	7.39	7.59	7.62	7.38	6.80	5.82	4.57	3.21	1.90	.80	.03	-.55	-1.09	-1.78	-2.80	-4.25	-6.02	-7.90	-9.73
0	7.10	7.37	7.57	7.61	7.41	6.90	6.03	4.90	3.64	2.36	1.20	.24	-.59	-1.41	-2.34	-3.50	-4.97	-6.64	-8.38	-10.05
.5	7.10	7.36	7.55	7.60	7.44	7.00	6.24	5.24	4.10	2.92	1.80	.81	-.12	-1.10	-2.26	-3.70	-5.49	-7.51	-9.59	-11.58
1.0	6.90	7.24	7.50	7.61	7.50	7.10	6.36	5.35	4.20	3.01	1.90	.93	.02	-.95	-2.12	-3.60	-5.47	-7.61	-9.83	-11.95
1.5	6.90	7.28	7.57	7.69	7.56	7.10	6.25	5.13	3.87	2.61	1.50	.63	-.10	-.82	-1.67	-2.80	-4.29	-6.05	-7.92	-9.75
2.0	6.90	7.35	7.69	7.82	7.62	7.00	5.89	4.45	2.87	1.36	.10	-.76	-.132	-1.76	-2.23	-2.90	-3.89	-5.11	-6.46	-7.79
2.5	6.90	7.35	7.68	7.79	7.57	6.90	5.72	4.20	2.53	.93	-.40	-1.31	-.188	-2.27	-2.63	-3.10	-3.80	-4.71	-5.75	-6.87
3.0	7.20	7.54	7.79	7.86	7.66	7.10	6.13	4.88	3.48	2.10	.90	-.02	-.74	-1.37	-2.05	-2.90	-4.00	-5.28	-6.63	-7.94
3.5	7.30	7.72	8.04	8.17	8.02	7.50	6.55	5.30	3.91	2.55	1.40	.56	-.09	-.72	-1.50	-2.60	-4.14	-5.97	-7.89	-9.70
4.0	7.50	7.99	8.38	8.55	8.39	7.80	6.71	5.27	3.67	2.08	.70	-.34	-.112	-1.78	-2.46	-3.30	-4.39	-5.67	-7.02	-8.34
4.5	7.80	8.30	8.66	8.75	8.45	7.60	6.15	4.30	2.31	.45	-1.00	-1.87	-.230	-2.53	-2.78	-3.30	-4.24	-5.51	-6.94	-8.36
5.0	7.90	8.17	8.34	8.29	7.91	7.10	5.80	4.19	2.48	.91	-.30	-1.00	-.133	-1.52	-1.77	-2.30	-3.27	-4.56	-6.00	-7.41
5.5	7.20	7.50	7.71	7.72	7.45	6.80	5.72	4.34	2.86	1.45	.30	-.46	-.92	-1.24	-1.55	-2.00	-2.70	-3.58	-4.53	-5.44
6.0	6.80	7.36	7.81	8.04	7.94	7.40	6.35	4.93	3.29	1.63	.10	-1.15	-2.16	-2.96	-3.62	-4.20	-4.74	-5.26	-5.74	-6.19
6.5	7.10	7.83	8.44	8.79	8.75	8.20	7.06	5.46	3.58	1.60	-.30	-1.97	-3.38	-4.53	-5.40	-6.00	-6.34	-6.48	-6.52	-6.53
7.0	7.83	8.43	8.43	8.76	8.69	8.10	6.91	5.28	3.47	1.70	.20	-.85	-1.52	-1.96	-2.31	-2.70	-3.24	-3.92	-4.68	-5.49
7.5	6.20	6.88	7.45	7.78	7.77	7.30	6.31	4.94	3.42	1.93	.70	-.14	-.68	-1.07	-1.46	-2.00	-2.81	-3.81	-4.88	-5.92
8.0	6.90	7.32	7.63	7.74	7.53	6.90	5.80	4.36	2.79	1.27	.00	-.88	-1.45	-1.81	-2.09	-2.40	-2.84	-3.40	-4.06	-4.76
8.5	7.80	8.16	8.42	8.46	8.19	7.50	6.33	4.80	3.10	1.41	-.10	-1.29	-2.17	-2.80	-3.22	-3.50	-3.68	-3.82	-3.96	-4.17
9.0	8.40	8.57	8.66	8.60	8.30	7.70	6.75	5.53	4.19	2.84	1.60	.58	-.27	-1.00	-1.69	-2.40	-3.18	-4.01	-4.88	-5.75
9.5	7.60	7.93	8.17	8.24	8.04	7.50	6.56	5.32	3.94	2.55	1.30	.30	-.47	-1.04	-1.47	-1.80	-2.07	-2.31	-2.55	-2.80
10.0	6.60	7.31	7.90	8.24	8.22	7.70	6.62	5.09	3.30	1.41	-.40	-1.98	-3.27	-4.22	-4.78	-4.90	-4.58	-3.97	-3.24	-2.59
10.5	7.10	7.85	8.47	8.79	8.68	8.00	6.66	4.85	2.79	.73	-1.10	-2.51	-3.51	-4.18	-4.59	-4.80	-4.89	-4.91	-4.95	-5.05
11.0	7.30	7.89	8.34	8.53	8.33	7.60	6.27	4.53	2.61	.75	-.80	-1.87	-2.51	-2.85	-3.01	-3.10	-3.23	-3.41	-3.63	-3.90
11.5	6.70	7.46	8.09	8.46	8.44	7.90	6.77	5.19	3.37	1.50	-.20	-1.58	-2.62	-3.35	-3.80	-4.00	-3.98	-3.83	-3.61	-3.40
12.0	6.70	7.69	8.52	9.02	9.04	8.40	7.01	5.06	2.77	.41	-1.80	-3.64	-5.05	-6.03	-6.55	-6.60	-6.19	-5.46	-4.59	-3.74
12.5	7.40	8.21	8.85	9.16	8.96	8.10	6.48	4.28	1.80	-.72	-3.00	-4.82	-6.14	-6.98	-7.37	-7.30	-6.83	-6.07	-5.20	-4.36
13.0	7.20	7.90	8.46	8.74	8.60	7.90	6.57	4.77	2.73	.70	-1.10	-2.48	-3.43	-3.99	-4.20	-4.10	-3.74	-3.21	-2.64	-2.13
13.5	7.00	7.77	8.39	8.70	8.56	7.80	6.35	4.39	2.19	.01	-1.90	-3.33	-4.27	-4.76	-4.86	-4.60	-4.05	-3.35	-2.66	-2.12

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
14.0	7.80	8.37	8.77	8.83	8.40	7.30	5.43	2.97	.15	2.79	-5.60	-8.07	-10.07	-11.46	-12.15	-12.00	-10.98	-9.33	-7.37	-5.42
14.5	7.80	8.38	8.81	8.97	8.71	7.90	6.45	4.52	2.32	.08	-2.00	3.73	-5.08	-6.05	-6.62	-6.80	-6.61	-6.18	-5.66	-5.22
15.0	7.00	7.94	8.68	9.03	8.80	7.80	5.91	3.40	.58	-2.20	-4.60	-6.36	-7.52	-8.16	-8.38	-8.30	-8.00	-7.55	-7.04	-6.53
15.5	7.30	7.99	8.52	8.74	8.48	7.60	5.99	3.81	1.28	-1.40	-4.00	-6.33	-8.26	-9.66	-10.41	-10.40	-9.58	-8.17	-6.47	-4.78
16.0	5.40	7.00	8.36	9.26	9.45	8.70	6.88	4.29	1.31	-1.65	-4.20	-6.02	-7.14	-7.64	-7.63	-7.20	-6.46	-5.57	-4.67	-3.93
16.5	7.20	8.20	9.01	9.46	9.35	8.50	6.79	4.35	1.36	-1.99	-5.50	-8.97	-12.11	-14.60	-16.13	-16.40	-15.22	-12.95	-10.10	-7.15
17.0	8.40	8.63	8.75	8.66	8.25	7.40	6.05	4.24	2.05	-4.2	-3.10	-5.87	-8.46	-10.60	-11.97	-12.30	-11.40	-9.61	-7.35	-5.06
17.5	7.40	8.54	9.43	9.84	9.51	8.20	5.77	2.50	1.22	-5.02	8.50	-11.34	-13.46	-14.81	-15.37	-15.10	-14.02	-12.36	-10.40	-8.42
18.0	7.20	7.93	8.51	8.77	8.55	7.70	6.11	3.85	1.06	-2.13	5.60	-9.18	-12.53	-15.28	-17.06	-17.50	-16.37	-14.07	-11.14	-8.14
18.5	8.50	9.79	10.71	10.91	10.03	7.70	3.75	1.24	6.51	-11.28	14.80	-16.49	-16.58	-15.48	-13.62	-11.40	-9.20	-7.14	-5.30	-3.76
19.0	7.60	9.44	10.87	11.45	10.77	8.40	4.16	-1.25	6.86	-11.72	-14.90	-15.72	-14.65	-12.44	-9.84	-7.60	-6.30	-5.85	-5.97	-6.41
19.5	7.40	8.41	9.20	9.55	9.26	8.10	5.95	3.07	.18	3.46	6.40	-8.72	-10.38	-11.42	-11.84	-11.70	-11.03	-9.99	-8.74	-7.45
20.0	8.00	9.46	10.58	11.01	10.40	8.40	4.84	.18	-4.93	9.87	-14.00	-16.81	-18.32	-18.67	-18.01	-16.50	-14.30	-11.70	-9.03	-6.59
20.5	7.90	8.49	8.92	9.07	8.78	7.90	6.33	4.09	1.24	2.14	-6.00	-10.20	-14.37	-18.04	-20.77	-22.10	-21.75	-20.07	-17.59	-14.82
21.0	8.50	9.37	10.00	10.11	9.46	7.80	4.99	1.37	2.61	6.49	-9.80	-12.19	-13.64	-14.24	-14.07	-13.20	-11.75	-9.94	-8.01	-6.22
21.5	9.20	10.13	10.71	10.60	9.44	6.90	2.79	-2.34	7.79	-12.85	16.80	-19.12	-19.98	-19.74	-18.76	-17.40	-15.96	-14.52	-13.14	-11.86
22.0	9.10	9.43	9.59	9.1	8.65	7.20	4.93	2.04	1.19	4.50	-7.60	-10.26	-12.37	-13.85	-14.62	-14.60	-13.78	-12.36	-10.63	-8.85
22.5	9.70	10.27	10.61	10.50	9.71	8.00	5.27	1.83	-1.88	-5.44	-8.40	-10.43	-11.57	-11.94	-11.67	-10.90	-9.75	-8.37	-6.92	-5.55
23.0	9.40	10.05	10.43	10.23	9.18	7.00	3.53	-.83	5.57	-10.17	-14.10	-16.94	-18.65	-19.28	-18.88	-17.50	-15.24	-12.40	-9.32	-6.34
23.5	9.60	10.24	10.68	10.71	10.12	8.70	6.36	3.40	2.6	-2.65	-4.90	-6.19	-6.70	-6.69	-6.46	-6.30	-6.42	-6.79	-7.31	-7.88
24.0	8.80	9.24	9.46	9.25	8.41	6.70	4.04	.83	2.42	5.21	7.00	-7.46	-6.88	-5.75	-4.53	-3.70	-3.61	-4.14	-5.07	-6.17
24.5	10.00	10.07	9.96	9.50	8.51	6.80	4.31	1.24	2.02	-5.15	-7.80	-7.70	-10.81	-11.18	-10.83	-9.80	-8.16	-6.15	-4.03	-2.09
25.0	10.70	10.70	10.51	9.95	8.84	7.00	4.31	.94	2.85	6.81	-10.70	-14.27	-17.31	-19.60	-20.94	-21.10	-19.99	-17.90	-15.23	-12.40
25.5	10.20	10.45	10.52	10.20	9.33	7.70	5.24	2.29	-7.0	3.28	5.00	-5.55	-5.23	-4.47	-3.72	-3.40	-3.84	-4.87	-6.19	-7.53
26.0	11.60	10.50	9.39	8.29	7.20	6.10	5.01	3.94	2.91	1.92	1.00	.16	-.59	-1.24	-1.78	-2.20	-2.50	-2.72	-2.92	-3.16
26.5	9.70	9.52	9.28	8.94	8.43	7.70	6.72	5.57	4.34	3.11	2.00	1.06	.23	-.58	-1.46	-2.50	-3.76	-5.14	-6.54	-7.84
27.0	11.40	10.84	10.15	9.23	7.95	6.20	3.92	1.32	-1.32	-3.72	-5.60	-6.76	-7.27	-7.29	-6.95	-6.40	-5.78	-5.14	-4.55	-4.05
27.5	12.30	11.39	10.43	9.35	8.09	6.60	4.84	2.83	.64	-1.69	-4.10	-6.53	-8.84	-10.87	-12.48	-13.50	-13.84	-13.63	-13.04	-12.27
28.0	12.10	11.56	10.89	9.93	8.55	6.60	4.04	1.16	-1.63	-3.95	-5.40	-5.73	-5.28	-4.53	-3.98	-4.10	-5.24	-7.15	-9.47	-11.81
28.5	12.30	11.06	9.80	8.53	7.23	5.90	4.53	3.14	1.75	.40	-.90	-2.11	-3.21	-4.13	-4.84	-5.30	-5.48	-5.45	-5.29	-5.08
29.0	11.00	11.60	11.85	11.41	9.90	7.00	2.53	-2.91	-8.53	-13.56	-17.20	-18.90	-18.94	-17.84	-16.13	-14.30	-12.78	-11.61	-10.73	-10.08
29.5	11.50	11.33	10.84	9.71	7.60	4.20	-.61	-6.10	-11.33	-15.38	-17.30	-16.49	-13.68	-9.92	-6.28	-3.80	-3.28	-4.38	-6.50	-9.04
30.0	12.00	11.69	11.17	10.25	8.73	6.40	3.18	-.57	-4.37	-7.74	-10.20	-11.42	-11.61	-11.17	-10.44	-9.80	-9.54	-9.63	-9.96	-10.42
30.5	12.90	11.73	10.53	9.25	7.85	6.30	4.58	2.76	.93	-.82	-2.40	-3.72	-5.42	-5.42	-5.72	-5.60	-5.05	-4.22	-3.26	-2.37
31.0	12.10	11.20	10.17	8.86	7.15	4.90	2.05	-1.19	-4.50	-7.61	-10.20	-12.04	-13.06	-13.25	-12.60	-11.10	-8.80	-5.99	-3.05	-.33
31.5	11.70	11.37	10.92	10.24	9.21	7.70	5.65	3.18	.46	-2.36	-5.10	-7.61	-9.77	-11.48	-12.62	-13.10	-12.86	-12.07	-10.98	-9.81
32.0	11.80	10.14	8.51	6.95	5.50	4.20	3.07	2.10	1.27	.58	.00	-.50	-1.00	-1.62	-2.45	-3.60	-5.13	-6.90	-8.74	-10.46
32.5	12.90	11.22	9.54	7.89	6.27	4.70	3.17	1.63	.00	-1.79	-3.80	-6.06	-8.37	-10.51	-12.23	-13.30	-13.55	-13.13	-12.26	-11.14
33.0	11.10	9.59	8.15	6.83	5.69	4.80	4.16	3.54	2.65	1.20	-1.10	-4.38	-8.16	-11.78	-14.61	-16.00	-15.52	-13.61	-10.91	-8.09
33.5	13.00	11.83	10.64	9.42	8.15	6.80	5.38	3.92	2.50	1.18	.00	-.98	-1.76	-2.36	-2.80	-3.10	-3.28	-3.39	-3.49	-3.64
34.0	10.80	10.48	10.03	9.33	8.26	6.70	4.60	2.27	.08	-1.57	-2.30	-1.88	-.70	.72	1.83	2.10	2.10	1.16	-.73	-3.12
34.5	11.70	11.14	10.53	9.82	8.96	7.90	6.62	5.22	3.82	2.54	1.50	.78	.25	-.29	-1.01	-2.10	-3.68	-5.57	-7.56	-9.42
35.0	11.70	10.97	10.16	9.18	7.96	6.40	4.48	2.35	.20	-1.75	-3.30	-4.31	-4.85	-5.05	-5.02	-4.90	-4.79	-4.73	-4.72	-4.77

ASPECT ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
57.0	9.40	9.12	8.74	8.14	7.23	5.90	4.09	1.97	.28	2.44	4.30	-5.71	6.66	-7.20	-7.37	-7.20	-6.76	-6.15	-5.50	4.95
57.5	8.40	8.01	7.50	6.75	5.66	4.10	2.02	.37	2.80	5.00	6.70	-7.70	8.13	-8.19	8.08	-8.00	-8.12	-8.42	-8.87	9.41
58.0	7.60	6.05	4.64	3.52	2.82	2.70	3.20	4.00	4.69	4.86	4.10	2.15	-6.3	-3.69	-6.53	-8.60	-9.53	-9.54	-8.96	8.17
58.5	8.90	7.76	6.51	5.06	3.29	1.10	-1.53	4.31	6.85	8.77	9.70	9.39	8.15	-6.43	-4.66	-3.30	-2.67	-2.68	-3.09	3.71
59.0	8.10	6.39	4.75	3.23	1.89	.80	-.02	-7.3	-1.50	2.53	4.00	6.01	-8.31	-10.53	-12.35	-13.40	-13.45	-12.69	-11.41	-9.91
59.5	4.60	3.53	2.48	1.48	.54	.30	-1.04	-1.74	-2.45	-3.25	4.20	-5.33	-6.52	-7.63	-8.51	-9.00	-9.01	-8.63	-8.01	-7.28
60.0	7.00	5.30	3.63	2.00	.45	-1.00	-2.33	-3.47	-4.37	-4.97	5.20	-5.05	-4.65	-4.17	-3.80	-3.70	-4.00	-4.59	-5.34	6.09
60.5	3.00	3.19	3.37	3.51	3.59	3.60	3.51	3.30	2.91	2.33	1.50	.42	-8.7	-2.28	-3.75	-5.20	-6.56	-7.77	-8.78	9.54
61.0	1.80	.06	-1.62	-3.15	-4.47	-5.50	-6.21	6.70	7.11	7.56	8.20	9.10	-10.12	-11.06	-11.72	-11.90	-11.48	-10.60	-9.48	8.34
61.5	-3.00	-2.39	-1.93	-1.77	-2.08	-3.00	-4.61	-6.66	-8.84	-10.83	-12.30	-13.02	-13.03	-12.50	-11.54	-10.30	-8.91	-7.47	-6.08	4.82
62.0	.60	1.32	1.82	1.90	1.33	1.10	2.46	5.30	8.00	9.97	10.60	9.51	-7.22	-4.47	-1.98	-.50	-.55	-1.84	-3.83	6.03
62.5	4.90	2.47	.12	-2.04	-3.95	5.50	6.63	7.37	7.75	-7.81	7.60	-7.16	6.61	-6.04	5.56	-5.30	-5.32	-5.55	-5.88	6.20
63.0	7.00	-4.35	-1.90	1.16	1.63	2.30	2.06	1.12	-.24	-1.74	3.10	4.10	4.79	-5.29	5.72	-6.20	-6.81	-7.49	-8.13	8.63
63.5	-5.20	-4.72	4.30	-4.01	-3.92	4.10	4.58	5.27	-6.06	6.85	-7.50	-7.94	8.16	-8.21	8.11	-7.90	-7.60	-7.26	-6.92	6.62
64.0	1.40	-1.36	3.85	-5.78	-6.89	6.90	5.67	-3.66	1.43	.41	1.30	.82	-7.2	-2.83	-5.02	-6.80	-7.81	-8.15	-8.08	-7.81
64.5	-1.90	-2.27	2.69	-3.20	-3.86	-4.70	5.74	6.79	7.63	8.04	7.80	6.79	-5.34	-3.87	-2.82	-2.60	-3.51	-5.26	-7.41	9.54
65.0	-3.70	-4.00	4.26	-4.44	-4.50	4.40	4.13	-3.78	3.47	-3.34	3.50	-4.03	-4.79	-5.63	-6.36	-6.80	-6.84	-6.55	-6.06	5.50
65.5	3.00	.69	-1.50	-3.31	-4.92	5.90	6.27	6.18	5.87	5.53	5.40	-5.61	-6.03	-6.43	-6.59	-6.30	-5.42	-4.11	-2.63	1.21
66.0	.00	-.98	-1.91	-2.77	-3.52	4.10	4.50	4.74	4.57	4.91	4.90	-4.89	-4.94	-5.12	-5.48	-6.10	-7.00	-8.08	-9.20	-10.22
66.5	-4.30	-4.04	3.77	-3.45	-3.07	2.60	2.04	-1.45	-.86	-.36	.00	.17	.12	-.16	-.70	-1.50	-2.56	-3.77	-4.99	-6.08
67.0	-3.30	-2.31	4.19	-5.83	-7.11	7.90	8.13	7.91	-7.39	-6.74	6.10	-5.59	5.18	-4.78	-4.31	-3.70	-2.89	-1.97	-1.05	-.22
67.5	1.70	.15	-1.25	-2.35	-3.02	-3.10	2.54	1.63	-.78	-.37	-.80	-2.30	-4.47	-6.75	-8.58	-9.40	-8.82	-7.14	-4.83	-2.36
68.0	-7.50	-8.32	8.99	9.38	9.33	-8.70	7.44	5.84	4.31	3.23	3.00	3.86	5.46	7.30	8.88	9.70	9.41	-8.22	-6.49	-4.60
68.5	-3.70	-4.02	4.29	-4.43	4.39	-4.10	3.54	2.82	-2.08	-1.46	-1.10	1.09	-1.34	-1.67	-1.94	-2.00	-1.73	-1.22	-.59	.02
69.0	.90	.13	-.65	-1.44	-2.25	-3.10	-3.97	4.77	-5.41	-5.79	5.80	-5.40	-4.75	-4.09	-3.63	-3.60	-4.16	-5.16	-6.39	7.64
69.5	.10	-1.90	-3.79	-5.45	-6.76	-7.60	-7.92	-7.84	-7.55	-7.24	-7.10	-7.25	-7.58	-7.95	-8.17	-8.10	-7.62	-6.86	-5.97	-5.13
70.0	7.80	-6.76	-5.80	-5.01	-4.49	4.30	4.50	-4.92	5.38	5.67	-5.60	-5.03	-4.11	-3.06	-2.08	-1.40	-1.16	-1.27	-1.57	1.90
70.5	-6.30	-5.25	-4.28	-3.48	-2.92	-2.70	2.84	3.16	-3.41	-3.37	2.80	-1.57	-.05	1.30	2.01	1.60	-.23	-3.08	6.40	9.63
71.0	-6.30	-5.66	-5.03	-4.40	-3.79	3.20	-2.64	-2.15	-1.79	-1.59	-1.60	-1.87	-2.38	-3.11	-4.06	-5.20	-6.49	-7.82	9.04	-10.02
71.5	-1.50	-3.48	-5.29	-6.79	-7.81	8.20	7.87	-7.04	-6.02	-5.11	-4.60	-4.70	-5.24	-5.95	-6.55	-6.80	-6.49	-5.73	-4.73	-3.65
72.0	-11.80	-10.88	-9.90	-8.81	-7.56	-6.10	-4.43	-2.79	-1.50	-.87	-1.20	-2.66	-4.86	-7.26	-9.32	-10.50	-10.43	-9.35	-7.68	-5.83
72.5	-3.90	-5.84	-7.52	-8.66	-9.01	-8.30	-6.40	-3.71	-.80	1.78	3.50	3.94	3.30	1.90	.09	-1.80	-3.49	-4.93	-6.10	6.99
73.0	-5.50	-4.61	-3.71	-2.80	-1.87	-.90	.08	.95	1.55	1.75	1.40	.41	-.98	-2.50	-3.83	-4.70	-4.89	-4.51	-3.77	-2.86
73.5	-3.00	-2.39	-1.87	-1.50	-1.39	-1.60	-2.17	-2.94	-3.70	-4.22	-4.30	-3.81	-2.99	-2.15	-1.61	-1.70	-2.63	-4.19	-6.07	7.94
74.0	-6.00	-5.53	-5.13	-4.87	-4.80	-5.00	-5.51	6.27	-7.19	-8.20	-9.20	-10.13	-10.95	-11.63	-12.16	-12.50	-12.65	-12.62	-12.47	-12.21
74.5	-8.50	-7.28	-6.18	-5.34	-4.87	-4.90	-5.49	-6.42	-7.41	-8.16	-8.40	-7.93	-7.00	-5.94	-5.10	-4.80	-5.28	-6.36	-7.72	9.07
75.0	-3.0	.48	1.16	1.67	1.91	1.80	1.28	.44	-.59	-1.68	-2.70	-3.53	-4.07	-4.26	-3.99	-3.20	-1.85	-.09	1.84	3.74
75.5	-5.60	-4.89	-4.14	-3.32	-2.38	-1.30	-.08	1.04	1.80	1.91	1.10	-.77	-3.27	-5.81	-7.81	-8.70	-8.08	-6.26	-3.78	-1.12
76.0	-10.90	-11.16	-11.41	-11.64	-11.84	-12.00	-12.10	-12.06	-11.79	-11.20	-10.20	-8.75	-7.00	-5.15	-3.38	-1.90	-.85	-.17	.28	.59
76.5	-3.10	-3.98	-4.80	-5.50	-6.02	-6.30	-6.31	-6.18	-6.07	-6.12	-6.50	-7.30	-8.34	-9.40	-10.23	-10.60	-10.33	-9.54	-8.37	7.00
77.0	-6.10	-8.51	-10.65	-12.25	-13.06	-12.80	-11.35	-9.18	-6.89	-5.10	-4.40	-5.19	-6.99	-9.09	-10.80	-11.40	-10.41	-8.15	-5.34	1.91
77.5	1.00	-.83	-2.51	-3.91	-4.89	-5.30	-5.08	-4.44	-3.69	-3.11	3.00	-3.56	-4.59	-5.82	-6.95	-7.70	-7.86	-7.49	6.75	5.77
78.0	-9.90	-5.84	-2.13	.85	2.75	3.20	2.04	-.17	-2.65	-4.65	-5.40	-4.40	-2.13	.64	3.17	4.70	4.70	3.47	1.52	6.4

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
78.5	-11.10	-10.25	9.41	8.59	-7.82	7.10	6.43	5.77	5.03	4.17	3.10	1.81	-.42	.89	1.96	2.60	2.71	2.40	1.85	1.23
79.0	-1.20	-3.07	-4.81	6.30	-7.40	8.00	8.00	-7.50	6.61	5.47	4.20	2.91	-1.68	-.56	.38	1.10	1.55	1.77	1.81	1.74
79.5	-2.80	-3.19	-3.62	-4.10	-4.69	5.40	6.25	7.12	7.89	8.43	8.60	8.31	7.61	6.58	5.31	3.90	-2.42	-.96	.42	1.63
80.0	-2.90	-4.84	-6.51	-7.64	-7.96	-7.20	5.23	-2.49	4.8	3.10	4.80	5.20	4.63	3.59	2.58	2.10	2.52	3.62	5.07	6.51
80.5	.00	-1.47	-2.79	-3.80	-4.35	-4.30	-3.57	2.43	1.23	-.34	-.10	-.73	-.193	-3.24	4.21	-4.40	-3.51	-1.81	.24	2.22
81.0	-8.20	-6.82	-5.39	3.84	2.13	-.20	1.93	3.93	5.42	5.97	5.20	2.90	-.37	-3.83	-6.73	-8.30	-8.02	-6.28	-3.72	-.98
81.5	2.00	-.52	-.84	-1.97	-2.76	3.10	-2.91	3.57	1.35	-.24	.90	1.97	2.92	3.73	4.36	4.80	5.02	5.03	4.84	4.46
82.0	5.40	-5.36	-5.29	-5.15	4.94	4.60	-4.13	-3.57	2.98	-2.40	-1.90	1.50	1.13	-.67	-.03	.90	2.18	3.66	5.16	6.47
82.5	-3.50	-2.00	-.68	-.25	.61	.20	-1.06	2.85	-4.75	6.34	-7.20	7.03	6.00	4.42	-2.59	-.80	.69	1.84	2.66	3.14
83.0	-4.91	-2.53	-.47	.96	1.45	.70	-1.44	-4.39	-7.40	9.72	10.60	9.54	7.01	-3.73	-.42	2.20	3.59	3.89	3.44	2.57
83.5	-3.70	-.98	1.50	3.47	4.69	4.90	3.99	2.37	5.8	8.2	1.30	-.49	1.23	3.29	5.13	6.20	6.08	4.99	3.32	1.43
84.0	2.20	.07	-1.87	3.42	.39	4.60	3.92	2.56	8.0	1.08	2.80	4.12	4.94	5.19	4.84	3.80	2.06	-.09	-.245	4.71
84.5	1.0	.82	1.53	2.24	2.93	3.60	4.24	4.81	5.26	5.54	5.60	5.41	4.95	4.21	3.20	1.90	.33	-1.40	-3.17	4.84
85.0	.40	-.52	-1.23	-1.52	1.18	.00	2.11	4.81	7.64	10.12	11.80	12.32	11.76	10.28	8.07	5.30	2.16	-1.14	-4.35	7.25
85.5	2.70	1.22	-.08	1.02	1.42	1.10	.03	1.70	3.57	5.28	6.50	6.94	6.60	5.58	3.95	1.80	-.77	-3.58	-6.42	9.10
86.0	4.10	-.54	-4.73	8.04	1.01	10.20	-8.38	5.14	-1.27	2.41	5.10	6.21	5.94	4.71	2.93	1.00	-.74	-2.24	-3.54	-4.69
86.5	3.0	.89	2.04	3.12	4.09	4.90	5.52	5.86	5.85	5.39	4.40	2.84	88	1.27	3.40	5.30	-6.80	-7.93	-8.74	9.31
87.0	3.70	5.03	6.33	7.56	8.70	9.70	10.51	10.90	10.65	9.50	7.20	3.66	6.2	-5.02	-8.89	-11.60	-12.69	-12.44	-13.33	-9.83
87.5	2.30	4.17	5.82	7.00	7.51	7.10	5.66	3.49	1.02	1.35	3.20	4.23	4.66	4.79	-4.96	-5.50	-6.63	-8.17	-9.88	-11.48
88.0	-5.00	-2.03	.74	3.11	4.86	5.80	5.79	4.99	3.61	1.87	.00	1.81	3.43	4.76	5.68	-6.10	-5.95	-5.38	-4.57	-3.71
88.5	7.60	5.13	2.77	.61	-1.25	-2.70	-3.70	-4.44	5.18	-6.15	-7.60	9.67	-12.00	-14.13	-15.59	-15.90	-14.76	-12.54	-9.74	6.88
89.0	8.00	7.30	6.55	5.71	4.74	3.60	2.24	.61	1.31	-3.57	6.20	9.18	-12.20	-14.87	-16.83	-17.70	-17.23	-15.75	-13.72	-11.58
89.5	12.20	11.60	10.95	10.20	9.30	8.20	6.86	5.29	3.51	1.54	60	2.86	-5.10	-7.15	-8.84	-10.00	-10.53	-10.56	-10.29	9.94
90.0	6.60	5.45	4.27	3.04	1.72	.30	1.24	2.85	4.46	6.00	7.40	8.60	-9.56	-10.27	-10.69	-10.80	-10.60	-10.16	-9.58	-8.96
90.5	6.60	7.28	7.67	7.45	6.33	4.00	.33	-4.20	8.93	13.21	-16.40	-18.01	-18.28	-17.58	-16.33	-14.90	-13.63	-12.56	-11.65	-10.87
91.0	4.50	3.97	3.39	2.71	1.90	.90	-.30	-1.59	-2.83	-3.88	-4.60	-4.89	-4.84	-4.58	-4.26	-4.00	-3.92	-3.98	-4.13	4.33
91.5	6.00	2.54	-.77	-3.78	-6.34	-8.30	-9.55	-10.16	-10.25	-9.92	9.30	-8.48	-7.53	-6.49	-5.43	-4.40	-3.44	-2.59	-1.88	-1.34
92.0	9.40	6.21	3.23	.65	-1.33	2.50	2.77	2.47	2.04	-1.94	-2.60	-4.30	6.68	9.21	-11.36	-12.60	-12.56	-11.50	-9.83	-7.96
92.5	.70	-.70	-2.06	-3.34	-4.50	5.50	6.31	6.90	7.28	-7.41	-7.30	6.94	6.41	-5.78	-5.15	-4.60	-4.19	-3.95	-3.85	-3.90
93.0	8.50	5.06	1.82	-1.02	-3.26	-4.70	-5.24	-5.18	-4.94	-4.91	-5.50	-6.98	-9.05	-11.27	-13.20	-14.40	-14.56	-13.88	-12.66	-11.23
93.5	-8.90	-8.04	-7.19	-6.36	-5.56	-4.80	-4.09	-3.48	-3.01	-2.74	-2.70	-2.93	-3.39	-4.01	-4.74	-5.50	-6.25	-6.95	-7.59	-8.15
94.0	-4.60	-5.16	-5.76	-6.41	-7.15	-8.00	-8.96	-9.85	-10.44	-10.53	-9.90	-8.45	-6.57	-4.79	-3.63	-3.60	-5.04	-7.59	-10.70	-13.82
94.5	-5.10	-3.87	-2.83	-2.18	-2.10	-2.80	-4.36	-6.45	8.66	-10.55	-11.70	-11.81	-11.10	-9.92	-8.64	-7.60	-7.07	-6.99	-7.22	-7.60
95.0	-15.60	-12.08	-8.82	-6.10	-4.17	-3.30	-3.63	-4.79	-6.25	-7.53	-8.10	-7.62	-6.36	-4.75	-3.22	-2.20	-2.00	-2.50	-3.46	-4.64
95.5	.50	-.07	-.69	-1.42	-2.31	-3.40	-4.71	-6.05	-7.18	-7.87	-7.90	-7.11	-5.74	-4.10	-2.52	-1.30	-.70	-.66	-1.07	-1.79
96.0	-6.60	-6.53	-6.41	-6.18	-5.79	-5.20	-4.39	-3.51	-2.77	-2.37	-2.50	-3.30	-4.64	-6.31	-8.13	-9.90	-11.45	-12.76	-13.83	-14.68
96.5	-4.20	-4.66	-5.18	-5.83	-6.68	-7.80	-9.20	-10.72	-12.15	-13.28	-13.90	-13.86	-13.28	-12.32	-11.17	-10.00	-8.95	-8.05	-7.30	-6.68
97.0	-4.90	-5.07	-5.24	-5.41	-5.56	-5.70	-5.83	-5.98	6.18	6.48	6.90	7.48	8.18	8.99	9.88	-10.80	-11.73	-12.62	-13.43	-14.11
97.5	.50	-.90	-2.25	-3.50	-4.60	-5.50	-6.16	-6.56	-6.70	-6.55	-6.10	5.39	-4.58	-3.91	-3.57	-3.80	-4.72	-6.16	-7.86	9.56
98.0	-4.30	-4.14	-3.98	-3.82	-3.66	-3.50	-3.35	-3.32	-3.51	-4.03	-5.00	-6.46	8.13	9.69	10.79	-11.10	-10.39	-8.91	-7.03	5.10
98.5	-3.20	-3.24	-3.38	-3.69	-4.27	-5.20	-6.52	-8.00	9.36	-10.32	-10.60	-10.03	-8.91	-7.67	-6.73	-6.50	-7.28	-8.83	-10.78	-12.76
99.0	-8.90	-10.13	-11.30	-12.38	-13.29	-14.00	-14.46	-14.72	-14.81	-14.78	-14.70	-14.59	-14.48	-14.35	-14.23	-14.10	-13.97	-13.84	-13.69	13.51
99.5	-8.20	-8.62	-8.92	-9.01	-8.78	-8.10	-6.96	-5.65	-4.53	-3.99	-4.40	-5.98	-8.34	-10.95	-13.28	-14.80	-15.12	-14.45	-13.17	11.63

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100.0	-4.30	-4.59	-4.82	-4.92	-4.84	-4.50	-3.90	-3.26	-2.83	-2.89	-3.70	-5.41	-7.69	-10.11	-12.22	-15.60	-13.93	-13.41	-12.39	-11.21
100.5	-4.70	-4.92	-5.06	-5.07	-4.87	-4.40	-3.63	-2.76	-2.02	-1.65	-1.90	-2.91	-4.43	-6.13	-7.67	-8.70	-8.99	-8.68	-8.01	-7.24
101.0	-10.20	-11.12	-12.01	-12.81	-13.49	-14.00	-14.31	-14.38	-14.19	-13.71	-12.90	-11.78	-10.52	-9.32	-8.42	-8.00	-8.22	-8.95	-9.99	-11.14
101.5	-7.60	-8.43	-9.19	-9.81	-10.24	-10.40	-10.27	-10.01	-9.81	-9.87	-10.40	-11.51	-12.98	-14.50	-15.78	-16.50	-16.46	-15.77	-14.67	-13.38
102.0	-6.10	-5.94	-5.89	-6.07	-6.56	-7.50	-8.92	-10.59	-12.24	-13.57	-14.30	-14.23	-13.56	-12.56	-11.51	-10.70	-10.33	-10.34	-10.59	-10.92
102.5	-6.00	-6.68	-7.35	-8.03	-8.71	-9.40	-10.08	-10.71	-11.22	-11.57	-11.70	-11.58	-11.36	-11.20	-11.29	-11.80	-12.84	-14.26	-15.85	-17.40
103.0	-4.10	-3.66	-3.26	-2.95	-2.78	-2.80	-3.05	-3.57	-4.44	-5.70	-7.40	-9.53	-11.79	-13.80	-15.19	-15.60	-14.78	-13.04	-10.82	-8.56
103.5	-5.80	-8.45	-10.95	-13.15	-14.88	-16.00	-16.40	-16.18	-15.47	-14.43	-13.20	-11.91	-10.64	-9.46	-8.46	-7.70	-7.23	-7.03	-7.02	-7.17
104.0	-6.20	-7.64	-8.95	-9.99	-10.62	-10.70	-10.18	-9.26	-8.25	-7.44	-7.10	-7.44	-8.25	-9.25	-10.13	-10.60	-10.44	-9.78	-8.82	-7.76
104.5	-7.40	-6.69	-5.99	-5.29	-4.59	-3.90	-3.25	-2.80	-2.74	-3.28	-4.60	-6.80	-9.59	-12.57	-15.34	-17.50	-18.76	-19.22	-19.06	-18.49
105.0	-2.40	-4.49	-6.52	-8.44	-10.19	-11.70	-12.93	-13.83	-14.37	-14.51	-14.20	-13.45	-12.44	-11.36	-10.45	-9.90	-9.87	-10.23	-10.43	-11.39
105.5	-6.40	-4.93	-3.63	-2.67	-2.20	-2.40	-3.37	-4.99	-7.04	-9.34	-11.70	-13.92	-15.81	-17.19	-17.88	-17.70	-16.55	-14.68	-12.43	-10.16
106.0	-13.30	-12.89	-12.45	-11.97	-11.43	-10.80	-10.08	-9.35	-8.68	-8.17	-7.90	-7.93	-8.18	-8.55	-8.93	-9.20	-9.29	-9.24	-9.12	-8.98
106.5	-4.0	-6.4	-9.3	-1.29	-1.77	-2.10	-3.20	-4.09	-4.94	-5.65	-6.10	-6.24	-6.20	-6.44	-6.44	-7.10	-8.32	-9.93	-11.68	-13.31
107.0	-10.30	-10.31	-10.28	-10.18	-9.97	-9.60	-9.08	-8.53	-8.11	-7.98	-8.30	-9.16	-10.37	-11.67	-12.80	-13.50	-13.59	-13.16	-12.40	-11.49
107.5	-4.60	-7.60	-10.36	-12.67	-14.29	-15.00	-14.66	-13.54	-11.98	-10.35	-9.00	-8.20	-7.86	-7.80	-7.84	-7.80	-7.54	-7.13	-6.67	-6.26
108.0	-2.70	-2.80	-3.01	-3.45	-4.25	-5.50	-7.26	-9.27	-11.22	-12.77	-13.60	-13.50	-12.66	-11.41	-10.05	-8.90	-8.20	-7.92	-7.99	-8.31
108.5	-6.50	-6.17	-5.82	-5.39	-4.86	-4.20	-3.40	-2.61	-2.00	-1.74	-2.00	-2.88	-4.21	-5.70	-7.12	-8.20	-8.75	-8.89	-8.78	-8.63
109.0	-5.50	-7.54	-9.39	-10.88	-11.81	-12.00	-11.36	-10.15	-8.73	-7.46	-6.70	-6.70	-7.29	-8.21	-9.17	-9.90	-10.20	-10.14	-9.86	-9.50
109.5	-15.90	-11.46	-7.40	-4.10	-1.94	-1.30	-2.38	-4.65	-7.39	-9.92	-11.50	-11.64	-10.64	-9.02	-7.26	-5.90	-5.31	-5.40	-5.95	-6.76
110.0	-13.60	-13.37	-13.13	-12.86	-12.55	-12.20	-11.79	-11.35	-10.90	-10.48	-10.10	-9.79	-9.52	-9.24	-8.91	-8.50	-7.98	-7.40	-6.83	-6.34
110.5	-2.20	-3.33	-4.42	-5.47	-6.44	-7.30	-8.03	-8.60	-8.99	-9.17	-9.10	-8.79	-8.34	-7.86	-7.47	-7.30	-7.43	-7.79	-8.31	-8.88
111.0	-7.50	-5.39	-3.48	-1.99	-1.13	-1.10	-2.00	-3.49	-5.09	-6.35	-6.80	-6.14	-4.71	-3.01	-1.54	-0.80	-1.15	-2.35	-4.04	-5.85
111.5	-2.80	-3.39	-4.05	-4.82	-5.79	-7.00	-8.47	-9.98	-11.26	-12.06	-12.10	-11.22	-9.67	-7.82	-6.01	-4.60	-3.86	-3.72	-3.99	-4.51
112.0	-20	-85	-1.87	-2.85	-3.77	-4.60	-5.32	-5.89	-6.29	-6.47	-6.40	-6.08	-5.62	-5.17	-4.88	-4.90	-5.33	-6.10	-7.09	-8.20
112.5	-9.70	-9.83	-9.88	-9.76	-9.40	-8.70	-7.63	-6.28	-4.82	-3.38	-2.10	-1.13	-0.58	-0.55	-1.16	-2.50	-4.61	-7.24	-10.07	-12.76
113.0	1.30	-1.67	-4.35	-6.45	-7.70	-7.80	-6.62	-4.65	-2.53	-0.90	-0.40	-1.47	-3.68	-6.41	-9.03	-10.90	-11.56	-11.21	-10.20	-8.87
113.5	-7.60	-6.68	-5.81	-5.07	-4.51	-4.20	-4.18	-4.42	-4.91	-5.62	-6.50	-7.52	-8.58	-9.57	-10.38	-10.90	-11.06	-10.93	-10.61	-10.19
114.0	-5.00	-5.21	-5.37	-5.43	-5.32	-5.00	-4.45	-3.76	-3.06	-2.50	-2.20	-2.26	-2.65	-3.33	-4.23	-5.30	-6.48	-7.68	-8.83	-9.83
114.5	-4.50	-4.16	-3.89	-3.76	-3.84	-4.20	-4.87	-5.72	-6.57	-7.26	-7.60	-7.50	-7.17	-6.87	-6.89	-7.50	-8.87	-10.78	-12.87	-14.83
115.0	-3.90	-2.35	-1.03	-0.16	-0.03	-0.70	-2.44	-4.77	-7.15	-9.04	-9.90	-9.37	-7.91	-6.15	-4.73	-4.30	-5.30	-7.39	-10.04	-12.72
115.5	-1.50	-1.31	-1.14	-0.99	-0.87	-0.80	-0.79	-0.87	-1.09	-1.49	-2.10	-2.95	-3.97	-5.11	-6.27	-7.40	-8.43	-9.35	-10.20	-10.97
116.0	-4.90	-5.36	-5.76	-6.07	-6.23	-6.20	-5.95	-5.53	-5.05	-4.57	-4.20	-4.01	-4.07	-4.46	-5.25	-6.50	-8.24	-10.27	-12.36	-14.25
116.5	-5.90	-7.78	-9.45	-10.67	-11.23	-10.90	-9.60	-7.76	-5.94	-4.70	-4.60	-5.99	-8.37	-11.00	-13.15	-14.10	-13.35	-11.27	-8.49	-5.59
117.0	-20	-3.60	-6.99	-9.55	-10.86	-10.50	-8.29	-4.97	-1.51	-1.14	-2.00	-4.4	-2.86	-6.88	-10.60	-13.00	-13.34	-12.02	-9.69	-7.03
117.5	1.70	1.47	1.14	0.60	-0.25	-1.50	-3.21	-5.18	-7.18	-8.97	-10.30	-11.00	-11.18	-11.02	-10.70	-10.40	-10.26	-10.27	-10.40	-10.59
118.0	2.80	-2.75	-2.67	-2.55	-2.37	-2.10	-1.75	-1.41	-1.21	-1.27	-1.70	-2.58	-3.76	-5.04	-6.22	-7.10	-7.54	-7.62	-7.47	-7.22
118.5	-2.20	-2.04	-1.91	-1.85	-1.90	-2.10	-2.47	-3.02	-3.74	-4.63	-5.70	-6.90	-8.10	-9.12	-9.77	-9.90	-9.38	-8.38	-7.10	-5.77
119.0	-13.70	-11.84	-10.10	-8.61	-7.50	-6.90	-6.88	-7.30	-7.98	-8.74	-9.40	-9.81	-9.99	-10.01	-9.92	-9.80	-9.70	-9.64	-9.64	-9.72
119.5	-10.50	-7.58	-4.84	-2.47	-0.67	-0.40	-0.61	-1.15	-1.73	-2.40	-3.34	-4.09	-4.77	-5.40	-6.00	-6.80	-7.80	-8.80	-9.80	-10.80
120.0	50	-51	-1.44	-2.20	-2.72	-2.90	-2.72	-2.34	-1.98	-1.86	-2.20	-3.13	-4.46	-5.92	-7.22	-8.10	-8.35	-8.11	-7.58	-6.98
120.5	-3.10	-3.39	-3.63	-3.79	-3.83	-3.70	-3.38	-2.97	-2.56	-2.27	-2.20	-2.43	-2.93	-3.60	-4.39	-5.20	-5.98	-6.73	-7.43	-8.08
121.0	-4.20	-6.89	-9.29	-11.14	-12.13	-12.00	-10.59	-8.31	-5.68	-3.23	-1.50	-0.89	-1.26	-2.36	-3.93	-5.70	-7.45	-9.10	-10.57	-11.82

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
121.5	-40	-2.44	-5.04	-7.16	-8.56	-9.00	-8.37	-7.10	-5.74	-4.86	-5.00	-6.53	-8.99	-11.74	-14.12	-15.50	-15.41	-14.14	-12.17	-10.00
122.0	-1.80	-1.19	-1.70	-2.47	-3.63	-1.30	-2.55	-4.22	-6.08	-7.92	-9.50	-10.65	-11.33	-11.56	-11.35	-10.70	-9.66	-8.39	-7.08	-5.92
122.5	-1.20	-3.6	-1.71	-2.66	-2.99	-2.50	-1.10	-3.84	-2.84	-4.42	-5.10	-4.56	-3.21	-1.60	-3.31	-1.10	-1.78	-2.68	-5.17	-7.82
123.0	-7.10	-5.49	-4.03	-2.88	-2.18	-2.10	-2.71	-3.82	-5.17	-6.48	-7.50	-8.03	-8.16	-8.06	-7.89	-7.80	-7.93	-8.23	-8.63	-9.04
123.5	-8.90	-7.96	-7.08	-6.35	-5.83	-5.70	-5.70	-6.07	-6.65	-7.35	-8.10	-8.83	-9.45	-9.91	-10.11	-10.00	-9.53	-8.80	-7.95	-7.10
124.0	-1.60	-3.59	-5.43	-6.96	-8.04	-8.50	-8.27	-7.54	-6.59	-5.68	-5.10	-5.03	-5.41	-6.08	-6.89	-7.70	-8.39	-8.96	-9.44	-9.88
124.5	2.00	-1.64	-4.89	-7.38	-8.71	-8.50	-6.58	-3.62	-5.1	-1.86	-2.60	-1.12	-1.98	-5.83	-9.53	-12.20	-13.18	-12.76	-11.46	-9.80
125.0	2.00	-3.70	-5.25	-6.47	-7.21	-7.30	-6.67	-5.52	-4.17	-2.89	-2.00	-1.71	-2.00	-6.18	-3.89	-5.30	-6.88	-8.52	-10.11	-11.54
125.5	-4.30	-3.85	-3.46	-3.21	-3.17	-3.40	-3.94	-4.66	-5.41	-6.05	-6.40	-6.39	-6.08	-6.02	-6.15	-6.80	-8.14	-9.97	-12.04	-14.07
126.0	-6.40	-8.45	-10.34	-11.87	-12.88	-13.20	-12.73	-11.72	-10.47	-9.33	-8.60	-8.52	-8.94	-9.63	-10.37	-10.90	-11.06	-10.92	-10.60	-10.22
126.5	-6.90	-5.45	-4.21	-3.41	-3.27	-4.00	-5.70	-7.96	-10.28	-12.14	-13.00	-12.54	-11.11	-9.29	-7.60	-6.60	-6.69	-7.67	-9.16	-10.83
127.0	-10.70	-6.68	-3.00	-0.3	-1.89	-2.40	-1.30	-1.08	-4.24	-7.71	-11.00	-13.71	-15.78	-17.23	-18.06	-18.30	-17.99	-17.27	-16.30	-15.26
127.5	8.50	-7.28	-6.18	-5.34	-4.87	-4.90	-5.50	-6.51	-7.71	-8.88	-9.80	-10.30	-10.44	-10.32	-10.04	-9.70	-9.40	-9.16	-9.02	-8.99
128.0	-7.10	-4.97	-3.04	-1.54	-0.65	-0.60	-1.57	-3.27	-5.64	-8.42	-11.40	-14.37	-17.05	-19.16	-20.44	-20.60	-19.48	-17.40	-14.78	-12.07
128.5	-6.40	-7.40	-8.28	-8.89	-9.10	-8.80	-7.92	-6.74	-5.50	-4.83	-4.80	-5.72	-7.29	-9.06	-10.61	-11.50	-11.42	-10.59	-9.33	-7.99
129.0	3.20	-5.2	-2.09	-4.56	-6.82	-8.80	-10.43	-11.63	-12.32	-12.44	-11.90	-10.71	-9.19	-7.76	-6.83	-6.80	-7.95	-9.98	-12.47	-14.99
129.5	80	-2.94	-6.39	-9.23	-11.17	-11.90	-11.28	-9.76	-7.93	-6.41	-5.80	-6.50	-8.16	-10.23	-12.16	-13.40	-13.55	-12.85	-11.65	-10.31
130.0	-1.60	-3.91	-6.20	-8.44	-10.61	-12.70	-14.66	-16.37	-17.72	-18.57	-18.80	-18.32	-17.24	-15.71	-13.88	-11.90	-9.91	-8.02	-6.35	-5.01
130.5	-3.10	-3.04	-3.10	-3.38	-4.01	-5.10	-6.68	-8.48	-10.14	-11.29	-11.60	-10.83	-9.27	-7.38	-5.58	-4.30	-3.87	-4.14	-4.85	-5.76
131.0	-5.80	-5.76	-5.69	-5.58	-5.39	-5.10	-4.71	-4.30	-3.97	-3.84	-4.00	-4.53	-5.34	-6.33	-7.39	-8.40	-9.27	-10.02	-10.69	-11.30
131.5	-7.70	-5.35	-3.25	-1.68	-0.87	-1.10	-2.51	-4.82	-7.65	-10.61	-13.30	-15.41	-16.91	-17.84	-18.22	-18.10	-17.53	-16.63	-15.55	-14.43
132.0	-15.00	-13.62	-12.25	-10.88	-9.53	-8.20	-6.92	-5.86	-5.05	-4.16	-5.90	-7.52	-9.64	-11.80	-13.51	-14.30	-13.84	-12.41	-10.45	-8.40
132.5	-11.40	-10.19	-9.11	-8.27	-7.79	-7.80	-8.35	-9.20	-10.06	-10.62	-10.60	-9.79	-8.41	-6.81	-5.29	-4.20	-3.77	-3.90	-4.40	-5.06
133.0	-6.70	-6.61	-6.53	-6.45	-6.37	-6.30	-6.23	-6.15	-6.03	-5.86	-5.60	-5.27	-4.98	-4.87	-5.10	-5.80	-7.05	-8.69	-10.46	-12.15
133.5	-9.10	-9.42	-9.71	-9.95	-10.13	-10.20	-10.16	-10.00	-9.73	-9.36	-8.90	-8.35	-7.75	-7.13	-6.54	-6.00	-5.55	-5.19	-4.91	-4.72
134.0	-2.90	-3.87	-4.81	-5.67	-6.41	-7.00	-7.41	-7.69	-7.89	-8.07	-8.30	-8.60	-8.92	-9.15	-9.21	-9.00	-8.47	-7.71	-6.83	-5.95
134.5	-1.30	-1.90	-2.44	-2.89	-3.20	-3.30	-3.18	-2.89	-2.49	-2.07	-1.70	-1.44	-1.32	-1.38	-1.63	-2.10	-2.80	-3.65	-4.58	-5.49
135.0	-12.00	-9.25	-6.63	-4.28	-2.33	-0.90	-1.11	-0.1	-0.55	1.78	3.70	6.24	9.08	-11.82	-14.06	-15.40	-15.58	-14.83	-13.56	-12.12
135.5	-3.40	-2.23	-1.24	-0.60	-0.50	-1.10	-2.51	-4.49	-6.74	-8.95	-10.80	-12.06	-12.74	-12.93	-12.72	-12.20	-11.45	-10.58	-9.69	-8.89
136.0	-14.30	-14.25	-14.13	-13.86	-13.37	-12.60	-11.52	-10.30	-9.17	-8.36	-8.10	-8.52	-9.42	-10.49	-11.45	-12.00	-11.93	-11.38	-10.59	-9.79
136.5	-5.00	-4.78	-4.51	-4.17	-3.71	-3.10	-2.33	-1.58	-1.05	-0.95	-1.50	-2.83	-4.78	-7.13	-9.64	-12.10	-14.30	-16.20	-17.76	-18.97
137.0	-7.50	-6.56	-5.75	-5.19	-5.00	-5.30	-6.17	-7.49	-9.08	-10.78	-12.40	-13.80	-14.92	-15.72	-16.16	-16.20	-15.83	-15.15	-14.28	-13.36
137.5	80	-60	-1.90	-3.01	-3.84	-4.30	-4.36	-4.29	-4.45	-5.17	-6.80	-9.53	-12.92	-16.39	-19.35	-21.20	-21.53	-20.63	-18.95	-16.96
138.0	-7.90	-5.72	-3.86	-2.64	-2.38	-3.40	-5.85	-9.21	-12.77	-15.83	-17.70	-17.88	-16.71	-14.74	-12.52	-10.60	-9.40	-8.86	-8.80	-9.04
138.5	-4.10	-2.54	-1.28	-0.62	-0.86	-2.30	-5.09	-8.73	-12.58	-15.98	-18.30	-19.06	-18.56	-17.25	-15.61	-14.10	-13.09	-12.54	-12.32	-12.29
139.0	-5.50	-5.53	-5.65	-5.95	-6.54	-7.50	-8.88	-10.50	-12.14	-13.58	-14.60	-15.03	-14.91	-14.35	-13.44	-12.30	-11.02	-9.70	-8.46	-7.39
140.0	-4.10	-4.05	-4.17	-4.65	-5.67	-7.40	-9.92	-12.91	-15.93	-18.57	-20.40	-21.09	-20.75	-19.57	-17.75	-15.50	-13.00	-10.44	-7.97	-5.77
140.5	-50	-3.37	-6.12	-8.63	-10.80	-12.50	-13.66	-14.36	-14.75	-14.95	-15.10	-15.28	-15.41	-15.35	-14.96	-14.10	-12.70	-10.94	-9.06	-7.30
141.0	-2.20	-4.46	-6.53	-8.23	-9.38	-9.80	-9.39	-8.46	-7.40	-6.62	-6.50	-7.31	-8.76	-10.42	-11.88	-12.70	-12.58	-12.45	-12.31	-12.15
141.5	-8.00	-12.66	-16.93	-20.42	-22.74	-23.50	-22.48	-20.14	-17.12	-14.07	-11.60	-10.20	-9.70	-9.75	-10.03	-10.20	-10.01	-9.53	-8.94	-8.41
142.0	-4.10	-10.10	-15.52	-19.78	-22.30	-22.50	-20.07	-15.83	-10.84	-6.21	-3.00	-2.01	-2.81	-4.69	-6.92	-8.80	-9.77	-9.95	-9.64	-9.13
142.5	-13.50	-14.87	-16.08	-16.97	-17.40	-17.20	-16.28	-14.80	-12.97	-11.03	-9.20	-7.67	-6.57	-5.99	-6.04	-6.80	-8.31	-10.33	-12.55	-14.64

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
143.0	-6.70	-7.01	-7.23	-7.28	-7.06	-6.50	-5.58	-4.64	-4.09	-4.34	-5.80	-8.69	-12.48	-16.41	-19.76	-21.80	-22.00	-20.69	-18.44	-15.79
143.5	-14.10	-12.30	-10.65	-9.28	-8.35	-8.00	-8.30	-9.06	-10.02	-10.92	-11.50	-11.56	-11.20	-10.58	-9.86	-9.20	-8.73	-8.44	-8.29	-8.22
144.0	-12.50	-10.80	-9.22	-7.88	-6.90	-6.40	-6.45	-6.93	-7.66	-8.48	-9.20	-9.70	-9.66	-10.01	-9.88	-9.60	-9.20	-8.75	-8.32	-7.98
144.5	-11.50	-9.44	-7.61	-6.27	-5.65	-6.00	-7.44	-9.69	-12.33	-14.97	-17.20	-18.70	-19.42	-19.42	-18.73	-17.40	-15.50	-13.25	-10.93	-8.79
145.0	-8.20	-7.40	-6.75	-6.43	-6.60	-7.40	-8.93	-10.95	-13.14	-15.20	-16.80	-17.71	-17.98	-17.73	-17.10	-16.20	-15.16	-14.09	-13.07	-12.21
145.5	-3.20	-3.88	-4.57	-5.27	-5.98	-6.70	-7.43	-8.12	-8.69	-9.07	-9.20	-9.04	-8.66	-8.19	-7.73	-7.40	-7.28	-7.35	-7.58	-7.91
146.0	-7.90	-9.42	-11.84	-12.09	-13.07	-13.70	-13.93	-13.88	-13.73	-13.64	-13.80	-14.30	-14.97	-15.59	-15.91	-15.70	-14.81	-13.42	-11.79	-10.20
146.5	-1.70	-1.73	-1.95	-2.54	-3.69	-5.60	-8.33	-11.48	-14.54	-16.98	-18.30	-18.13	-16.74	-14.56	-12.00	-9.50	-7.40	-5.76	-4.55	-3.73
147.0	-5.70	-8.16	-10.54	-12.74	-14.69	-16.30	-17.51	-18.34	-18.85	-19.09	-19.10	-18.94	-18.64	-18.25	-17.79	-17.30	-16.82	-16.36	-15.94	-15.58
147.5	-6.20	-6.28	-6.50	-7.00	-7.92	-9.40	-11.48	-13.80	-15.92	-17.37	-17.70	-16.63	-14.54	-12.02	-9.61	-7.90	-7.29	-7.63	-8.60	-9.89
148.0	-8.70	-7.62	-6.68	-5.99	-5.69	-5.90	-6.70	-7.91	-9.30	-10.64	-11.70	-12.30	-12.53	-12.53	-12.44	-12.40	-12.53	-12.81	-13.20	-13.64
148.5	-1.20	-4.78	-8.17	-11.19	-13.67	-15.40	-16.27	-16.33	-15.73	-14.58	-13.00	-11.14	-9.22	-7.48	-6.16	-5.50	-5.65	-6.46	-7.67	-9.03
149.0	-10.70	-10.34	-9.98	-9.63	-9.26	-8.90	-8.55	-8.29	-8.24	-8.47	-9.10	-10.17	-11.51	-12.91	-14.15	-15.00	-15.31	-15.17	-14.74	-14.16
149.5	-9.90	-10.55	-11.27	-12.17	-13.32	-14.80	-16.62	-18.43	-19.81	-20.34	-19.60	-17.36	-14.17	-10.78	-7.94	-6.40	-6.68	-8.40	-10.96	-13.76
150.0	-5.30	-9.01	-12.42	-15.21	-17.07	-17.70	-16.94	-15.26	-13.26	-11.57	-10.80	-11.36	-12.90	-14.84	-16.63	-17.70	-17.65	-16.69	-15.23	-13.64
150.5	-14.70	-13.63	-12.69	-12.04	-11.79	-12.10	-13.01	-14.23	-15.37	-16.06	-15.90	-14.67	-12.76	-10.72	-9.08	-8.40	-9.05	-10.76	-13.08	-15.57
151.0	-4.30	-5.64	-6.82	-7.68	-8.06	-7.80	-6.85	-5.58	-4.36	-3.98	-4.60	-6.62	-9.61	-12.93	-15.97	-18.10	-18.88	-18.54	-17.51	-16.19
151.5	-11.10	-12.52	-13.80	-14.81	-15.42	-15.50	-14.96	-13.94	-12.63	-11.22	-9.90	-8.83	-8.07	-7.65	-7.62	-8.00	-8.80	-9.90	-11.16	-12.40
152.0	-18.00	-18.36	-18.52	-18.30	-17.49	-15.90	-13.46	-10.56	-7.74	-5.51	-4.40	-4.75	-6.22	-8.25	-10.32	-11.90	-12.58	-12.52	-11.98	-11.25
152.5	-15.20	-14.77	-14.25	-13.57	-12.65	-11.40	-9.82	-8.24	-7.06	-6.67	-7.50	-9.74	-12.85	-16.08	-18.68	-19.90	-19.23	-17.09	-14.11	-10.93
153.0	-20.00	-17.06	-14.21	-11.52	-9.09	-7.00	-5.33	-4.19	-3.65	-3.83	-4.80	-6.58	-8.85	-11.18	-13.17	-14.40	-14.58	-13.93	-12.79	-11.50
153.5	-11.10	-9.89	-8.78	-7.87	-7.24	-7.00	-7.20	-7.74	-8.45	-9.19	-9.80	-10.18	-10.42	-10.65	-10.99	-11.60	-12.55	-13.72	-14.96	-16.11
154.0	-11.70	-11.15	-10.68	-10.33	-10.18	-10.30	-10.71	-11.24	-11.70	-11.89	-11.60	-10.73	-9.61	-8.63	-8.22	-8.80	-10.62	-13.35	-16.49	-19.54
154.5	-9.10	-10.70	-12.10	-13.10	-13.50	-13.10	-11.81	-9.94	-7.93	-6.21	-5.20	-5.21	-6.10	-7.58	-9.41	-11.30	-13.03	-14.55	-15.82	-16.85
155.0	-10.60	-11.01	-11.36	-11.57	-11.57	-11.30	-10.72	-9.96	-9.17	-8.49	-8.10	-8.10	-8.47	-9.12	-9.99	-11.00	-12.09	-13.17	-14.20	-15.10
155.5	-8.60	-7.75	-7.08	-6.78	-7.03	-8.00	-9.79	-12.14	-14.68	-17.05	-18.90	-19.95	-20.28	-20.05	-19.44	-18.60	-17.68	-16.74	-15.81	-14.92
156.0	-5.90	-6.50	-7.05	-7.52	-7.85	-8.00	-7.98	-7.97	-8.23	-8.99	-10.50	-12.89	-15.81	-18.81	-21.42	-23.20	-23.81	-23.44	-22.42	-21.07
157.0	-4.70	-9.83	-14.55	-18.45	-21.14	-22.20	-21.42	-19.35	-16.73	-14.30	-12.80	-12.77	-13.92	-15.74	-17.73	-19.40	-20.35	-20.67	-20.56	-20.20
157.5	-15.70	-15.98	-16.27	-16.58	-16.92	-17.30	-17.72	-18.12	-18.43	-18.58	-18.50	-18.14	-17.60	-16.97	-16.36	-15.90	-15.66	-15.62	-15.73	-15.94
158.0	-21.70	-20.15	-18.76	-17.71	-17.17	-17.30	-18.18	-19.53	-20.97	-22.11	-22.60	-22.16	-20.98	-19.35	-17.60	-16.00	-14.81	-14.01	-13.54	-13.32
158.5	-12.30	-13.74	-15.15	-16.53	-17.85	-19.10	-20.24	-21.21	-21.93	-22.32	-22.30	-21.83	-20.95	-19.75	-18.31	-16.70	-15.02	-13.36	-11.87	-10.64
159.0	-6.40	-8.83	-11.17	-13.33	-15.20	-16.70	-17.77	-18.48	-18.95	-19.29	-19.60	-19.95	-20.23	-20.28	-19.92	-19.00	-17.43	-15.43	-13.30	-11.32
159.5	-13.10	-12.63	-12.23	-12.01	-12.04	-12.40	-13.15	-14.25	-15.63	-17.20	-18.90	-20.63	-22.15	-23.21	-23.54	-22.90	-21.13	-18.55	-15.60	-12.71
160.0	-19.30	-16.87	-14.68	-12.95	-11.91	-11.80	-12.75	-14.45	-16.53	-18.58	-20.20	-21.09	-21.26	-20.83	-19.91	-18.60	-17.02	-15.30	-13.58	-12.00
160.5	-25.90	-24.53	-23.25	-22.15	-21.30	-20.80	-20.70	-20.89	-21.23	-21.58	-21.80	-21.77	-21.46	-20.86	-19.98	-18.80	-17.34	-15.73	-14.09	-12.56
161.0	-14.80	-14.86	-14.95	-15.12	-15.39	-15.80	-16.37	-17.06	-17.82	-18.58	-19.30	-19.91	-20.33	-20.49	-20.31	-19.70	-18.63	-17.24	-15.71	-14.24
161.5	-10.00	-10.68	-11.38	-12.12	-12.92	-13.80	-14.75	-15.69	-16.47	-16.98	-17.10	-16.75	-16.09	-15.29	-14.57	-14.10	-14.04	-14.30	-14.77	-15.31
162.0	-12.90	-15.35	-17.66	-19.68	-21.28	-22.30	-22.65	-22.38	-21.59	-20.36	-18.80	-17.03	-15.28	-13.85	-13.00	-13.00	-14.03	-15.80	-17.94	-20.07
162.5	-15.60	-15.67	-15.82	-16.16	-16.75	-17.70	-19.02	-20.44	-21.63	-22.26	-22.00	-20.65	-18.60	-16.49	-14.55	-13.60	-13.92	-15.28	-17.08	-19.02
163.0	-10.80	-13.76	-16.51	-18.86	-20.59	-21.50	-21.47	-20.68	-19.39	-17.88	-16.40	-15.18	-14.31	-13.84	-13.82	-14.30	-15.28	-16.57	-17.92	-19.12
163.5	-9.30	-11.86	-14.25	-16.31	-17.88	-18.80	-18.95	-18.46	-17.51	-16.26	-14.90	-13.60	-12.54	-11.87	-11.77	-12.40	-13.85	-15.83	-17.97	-19.92
164.0	-18.40	-16.91	-15.59	-14.62	-14.16	-14.40	-15.40	-16.81	-18.20	-19.11	-19.10	-17.90	-15.96	-13.88	-12.29	-11.80	-12.83	-14.99	-17.69	-20.32

ASPECT

DISTANCE ANGLE

ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
164.5	-15.70	-16.76	-17.79	-18.74	-19.59	-20.40	-20.82	-21.07	-20.96	-20.40	-19.40	-17.65	-15.77	-14.06	-12.94	-12.80	-13.90	-15.89	-18.25	-20.49
165.0	-18.50	-19.61	-20.52	-21.04	-20.97	-20.10	-18.36	-16.12	-13.67	-12.10	-11.40	-11.80	-13.33	-15.48	-17.81	-19.90	-21.42	-22.33	-22.71	-22.61
165.5	-15.00	-15.15	-15.21	-15.09	-14.68	-13.90	-12.73	-11.44	-10.19	-9.92	-10.40	-12.03	-14.48	-17.28	-19.94	-22.00	-23.09	-23.30	-22.84	-21.90
166.0	-12.70	-15.61	-18.24	-20.33	-21.61	-21.80	-20.76	-18.88	-16.67	-14.64	-13.40	-13.03	-13.62	-14.76	-16.10	-17.30	-18.10	-18.49	-18.51	-18.23
166.5	-17.50	-18.72	-19.85	-20.80	-21.48	-21.80	-21.69	-21.21	-20.42	-19.49	-18.20	-16.93	-15.67	-14.54	-13.65	-13.10	-12.96	-13.11	-13.40	-13.68
167.0	-21.80	-18.46	-15.39	-12.89	-11.23	-10.70	-11.44	-13.06	-15.04	-16.86	-18.00	-18.08	-17.28	-15.94	-14.41	-13.00	-11.99	-11.34	-10.95	-10.74
167.5	-11.70	-10.72	-9.80	-9.00	-8.38	-8.00	-7.90	-8.08	-8.52	-9.20	-10.10	-11.17	-12.25	-13.13	-13.61	-13.50	-12.67	-11.33	-9.75	-8.21
168.0	-11.20	-10.62	-10.05	-9.49	-8.94	-8.40	-7.90	-7.55	-7.46	-7.77	-8.60	-9.99	-11.65	-13.22	-14.32	-14.60	-13.81	-12.22	-10.25	-8.31
168.5	-15.90	-15.00	-14.08	-13.12	-12.10	-11.00	-9.84	-8.75	-7.91	-7.51	-7.00	-6.58	-6.08	-5.48	-4.70	-3.80	-2.80	-1.70	-0.50	-0.78
169.0	-19.10	-19.03	-18.84	-18.43	-17.69	-16.50	-14.82	-12.89	-11.00	-9.47	-8.60	-8.58	-9.17	-10.02	-10.78	-11.10	-10.73	-9.83	-8.66	-7.46
169.5	-7.80	-11.27	-14.45	-17.04	-18.76	-19.30	-18.50	-16.71	-14.37	-11.94	-9.90	-8.59	-7.91	-7.65	-7.62	-7.60	-7.43	-7.15	-6.81	-6.51
170.0	-6.20	-7.94	-9.60	-11.09	-12.32	-13.20	-13.68	-13.76	-13.50	-12.93	-12.40	-11.05	-9.89	-8.72	-7.65	-6.80	-6.24	-5.94	-5.86	-5.93
170.5	-7.40	-7.38	-7.41	-7.62	-8.02	-8.40	-8.68	-8.76	-8.75	-8.63	-8.40	-8.18	-7.91	-7.65	-7.40	-7.10	-6.70	-6.24	-5.86	-5.93
171.0	-15.80	-13.58	-11.54	-9.83	-8.63	-8.10	-8.34	-9.09	-10.04	-10.85	-11.20	-10.86	-9.98	-8.82	-7.61	-6.60	-5.99	-5.78	-5.88	-6.24
171.5	-20.40	-17.18	-14.15	-11.51	-9.47	-8.20	-7.83	-8.14	-8.82	-9.57	-10.10	-10.17	-9.85	-9.29	-8.62	-8.00	-7.54	-7.28	-7.21	-7.35
172.0	-10.70	-10.34	-9.98	-9.62	-9.26	-8.90	-8.54	-8.22	-7.97	-7.82	-7.80	-7.94	-8.18	-8.45	-8.68	-8.80	-8.77	-8.65	-8.53	-8.52
172.5	-6.30	-7.46	-8.50	-9.32	-9.79	-9.80	-9.40	-8.36	-7.52	-6.72	-6.40	-6.43	-6.46	-6.39	-6.27	-6.10	-5.88	-5.65	-5.47	-5.87
173.0	-6.20	-7.49	-8.65	-9.55	-10.08	-10.10	-9.55	-8.61	-7.54	-6.59	-6.00	-5.97	-5.82	-5.63	-5.40	-5.10	-4.78	-4.46	-4.14	-3.85
173.5	-6.50	-7.64	-8.68	-9.49	-9.97	-10.00	-9.53	-8.69	-7.68	-6.69	-6.00	-5.90	-5.82	-5.62	-5.39	-5.00	-4.68	-4.36	-4.04	-3.75
174.0	-6.30	-7.17	-7.96	-8.62	-9.05	-9.20	-9.02	-8.57	-7.95	-7.26	-6.60	-6.07	-5.82	-5.63	-5.40	-5.10	-4.78	-4.46	-4.14	-3.85
174.5	-9.20	-9.01	-8.83	-8.68	-8.56	-8.50	-8.49	-8.47	-8.40	-8.19	-7.80	-7.21	-6.64	-6.38	-6.11	-5.79	-5.46	-5.14	-4.82	-4.51
175.0	-8.40	-8.07	-7.78	-7.56	-7.45	-7.50	-7.71	-7.99	-8.24	-8.35	-8.20	-7.75	-7.22	-6.91	-6.71	-6.50	-6.28	-6.06	-5.84	-5.62
175.5	-12.50	-10.92	-9.43	-8.15	-7.18	-6.60	-6.39	-6.74	-7.18	-7.68	-8.10	-8.33	-8.50	-8.76	-9.31	-10.30	-11.84	-13.75	-15.78	-17.68
176.0	-17.10	-14.25	-11.55	-9.17	-7.27	-6.00	-5.46	-5.53	-6.02	-6.74	-7.50	-8.18	-8.85	-9.64	-10.68	-12.10	-13.97	-16.10	-18.25	-20.16
176.5	-7.00	-6.79	-6.58	-6.38	-6.18	-6.00	-5.85	-5.81	-5.98	-6.38	-7.40	-8.80	-10.56	-12.52	-14.52	-16.40	-18.02	-19.36	-20.39	-21.10
177.0	-5.30	-5.64	-5.95	-6.21	-6.40	-6.50	-6.51	-6.54	-6.76	-7.29	-8.40	-9.86	-11.81	-13.91	-15.91	-17.60	-18.78	-19.50	-19.84	-19.91
177.5	-6.30	-6.36	-6.44	-6.54	-6.69	-6.90	-7.19	-7.59	-8.15	-8.91	-9.90	-11.14	-12.53	-13.93	-15.19	-16.20	-16.84	-17.17	-17.25	-17.17
178.0	-5.90	-6.02	-6.18	-6.43	-6.78	-7.30	-8.00	-8.84	-9.77	-10.74	-11.70	-12.59	-13.38	-14.02	-14.47	-14.70	-14.68	-14.47	-14.15	-13.80
178.5	-6.50	-6.47	-6.50	-6.64	-6.95	-7.50	-8.41	-9.29	-10.34	-11.35	-12.20	-12.81	-13.18	-13.35	-13.35	-13.20	-12.95	-12.64	-12.32	-12.06
179.0	-7.00	-6.98	-7.01	-7.14	-7.42	-7.90	-8.61	-9.50	-10.48	-11.47	-12.40	-13.19	-13.78	-14.11	-14.14	-13.80	-13.08	-12.10	-11.04	-10.05
179.5	-24.40	-23.36	-22.45	-21.77	-21.44	-21.60	-22.30	-23.44	-24.85	-26.35	-27.80	-29.04	-30.00	-30.61	-30.83	-30.60	-29.90	-28.88	-27.74	-26.68

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-179.5	-9.90	-9.02	-8.44	8.12	8.04	8.15	8.42	8.82	9.33	9.90	10.50	11.10	11.67	12.18	12.58	12.85	12.96	12.88	-12.56	11.98
-179.0	-11.90	-11.74	-11.65	-11.61	-11.62	-11.67	-11.75	-11.87	-12.01	-12.15	-12.30	-12.45	-12.60	-12.73	-12.85	-12.93	-12.98	-12.98	-12.95	-12.86
-178.5	-16.60	-17.20	-17.47	-17.45	-17.18	-16.70	-16.04	-15.23	-14.41	-13.32	-12.30	-11.28	-10.29	-9.37	-8.56	-7.90	-7.42	-7.15	-7.13	-7.40
-178.0	-17.40	-18.38	-18.96	-19.19	-19.12	-18.78	-18.23	-17.50	-16.64	-15.69	-14.70	-13.71	-12.76	-11.90	-11.17	-10.62	-10.28	-10.21	-10.44	-11.02
-177.5	-16.50	-17.74	-18.59	-19.11	-19.33	-19.29	-19.05	-18.64	-18.09	-17.47	-16.80	-16.13	-15.51	-14.96	-14.55	-14.30	-14.27	-14.49	-15.01	-15.86
-177.0	-16.20	-17.14	-17.78	-18.15	-18.29	-18.23	-18.00	-17.64	-17.19	-16.66	-16.10	-15.53	-15.01	-14.56	-14.20	-13.97	-13.91	-14.05	-14.42	-15.06
-176.5	-17.00	-17.22	-17.26	-17.14	-16.89	-16.52	-16.05	-15.51	-14.91	-14.26	-13.60	-12.94	-12.29	-11.69	-11.15	-10.68	-10.31	-10.06	-9.94	-9.98
-176.0	-20.30	-19.97	-19.63	-19.29	-18.94	-18.58	-18.23	-17.88	-17.52	-17.16	-16.80	-16.44	-16.08	-15.72	-15.37	-15.01	-14.66	-14.31	-13.97	-13.63
-175.5	-19.40	-20.18	-20.74	-21.11	-21.32	-21.38	-21.33	-21.18	-20.96	-20.69	-20.40	-20.11	-19.84	-19.62	-19.47	-19.42	-19.48	-19.69	-20.06	-20.62
-175.0	-20.50	-21.58	-22.20	-22.40	-22.24	-21.77	-21.05	-20.12	-19.03	-17.83	-16.60	-15.36	-14.17	-13.08	-12.15	-11.43	-10.96	-10.80	-11.01	-11.62
-174.5	-16.80	-16.12	-15.56	-15.12	-14.78	-14.52	-14.33	-14.20	-14.11	-14.05	-14.00	-13.95	-13.89	-13.80	-13.67	-13.48	-13.22	-12.88	-12.44	-11.88
-174.0	-11.60	-9.41	-7.94	7.11	6.84	-7.05	-7.66	8.50	9.76	11.09	12.50	13.91	15.24	16.41	17.34	17.95	-18.16	-17.89	-17.06	-15.59
-173.5	-11.30	-10.45	-9.76	9.19	8.73	8.38	8.10	7.90	7.74	7.61	7.50	7.39	7.26	7.10	-6.90	-6.62	-6.27	-5.81	-5.24	-4.55
-173.0	-14.90	-15.12	-15.06	14.74	14.19	13.45	12.56	11.53	10.41	9.22	8.00	6.78	5.59	4.47	-3.44	-2.55	-1.81	-1.26	-0.94	-0.88
-172.5	-12.30	-11.33	-10.84	-10.80	11.13	11.79	12.73	13.85	15.20	16.62	18.10	19.58	21.00	22.32	23.47	24.41	25.07	-25.40	-25.36	-24.87
-172.0	-10.50	-8.41	-7.26	-6.94	7.34	8.37	9.91	11.87	14.14	16.62	19.20	21.78	24.26	26.53	-28.49	-30.03	-31.06	-31.46	-31.14	-29.99
-171.5	-13.10	-11.21	-10.12	-9.74	9.98	10.35	11.97	13.54	15.38	17.40	19.50	21.60	23.62	25.46	-27.03	-28.25	-29.02	-29.26	-28.88	-27.79
-171.0	-11.50	-9.12	-7.51	-6.56	6.21	6.37	6.95	7.87	9.01	10.38	11.80	13.22	14.56	-15.73	-16.65	-17.23	-17.39	-17.04	-16.09	-14.48
-170.5	-9.20	-7.19	-5.79	-4.95	4.59	4.64	5.04	5.71	6.59	7.61	8.70	9.79	10.81	11.69	-12.36	-12.76	-12.81	-12.45	-11.61	-10.21
-170.0	-18.00	-18.53	-18.57	18.18	17.41	16.32	14.96	13.48	11.65	9.80	7.90	6.00	4.15	-2.42	-8.4	-5.2	-1.61	-2.38	-2.77	-2.73
-169.5	-11.20	-11.71	-12.29	12.93	13.63	14.37	15.15	15.96	16.79	17.64	-18.50	19.36	-20.21	-21.04	-21.85	-22.63	-23.37	-24.07	-24.71	-25.29
-169.0	-12.90	-13.94	-14.54	-14.75	14.61	-14.17	13.49	12.62	11.59	10.47	9.30	8.13	7.01	-5.98	-5.11	-4.43	-3.99	-3.85	-4.06	-4.66
-168.5	-16.90	-18.63	-19.83	-20.54	20.84	-20.78	20.42	19.83	19.05	18.15	17.23	16.25	-15.35	-14.57	-13.98	-13.62	-13.56	-13.86	-14.57	-15.77
-168.0	-17.50	-17.21	-16.83	-16.38	-15.86	15.29	14.67	14.01	13.32	12.62	11.90	11.18	10.48	9.79	9.13	-8.51	-7.94	-7.42	-6.97	6.59
-167.5	-7.10	-5.16	-3.93	-3.31	-3.23	-3.61	4.39	5.47	6.78	8.25	9.80	11.35	12.82	14.13	-15.21	-15.99	-16.37	-16.29	-15.67	-14.44
-167.0	-9.90	-9.14	-8.61	-8.28	8.13	-8.13	8.25	8.48	8.77	9.12	9.50	9.88	10.23	-10.52	-10.75	-10.87	-10.87	-10.72	-10.39	-9.86
-166.5	-9.90	-11.36	-12.58	-13.57	-14.36	-14.99	15.48	15.86	16.15	16.39	16.60	16.81	17.05	-17.34	-17.72	-18.21	-18.84	-19.63	-20.62	21.84
-166.0	-9.80	-8.62	-7.88	-7.55	-7.57	-7.88	8.45	9.21	10.12	11.13	-12.20	13.26	14.28	15.19	-15.95	-16.52	-16.83	-16.85	-16.52	-15.78
-165.5	-9.20	-9.91	-10.60	-11.29	-11.97	-12.63	13.30	13.95	-14.60	15.25	-15.90	16.55	17.20	17.85	18.50	-19.17	-19.83	-20.51	21.20	-21.89
-165.0	-6.20	-5.15	-4.63	-4.59	-4.95	-5.67	6.68	7.93	9.36	10.90	-12.50	14.10	-15.64	-17.07	18.32	-19.33	-20.05	-20.41	-20.37	-19.85
-164.5	-9.10	-7.59	-6.78	-6.57	-6.91	-7.70	8.88	10.37	12.08	-13.95	-15.90	17.85	-19.72	-21.43	22.92	-24.10	-24.89	-25.23	-25.02	24.21
-164.0	-6.60	-5.54	-4.71	-4.06	-3.59	-3.27	3.07	2.97	2.94	2.96	3.00	-3.04	-3.06	-3.03	-2.93	-2.73	-2.41	-1.94	-1.29	-0.46
-163.5	-15.40	-16.89	-17.65	-17.76	-17.30	-16.36	15.01	13.34	11.43	9.36	7.20	5.04	2.97	-1.06	-6.1	1.96	2.90	3.36	3.25	2.49
-163.0	-19.70	-21.27	-21.84	-21.53	20.45	-18.70	16.40	-13.67	10.59	-7.30	3.90	5.0	2.79	5.87	8.60	10.90	12.65	13.73	14.04	13.47
-162.5	-10.00	-10.71	-11.34	-11.89	-12.37	-12.79	-13.17	13.51	-13.82	14.12	14.40	14.68	14.98	15.29	-15.63	-16.01	-16.43	-16.91	-17.46	-18.09
-162.0	-16.50	-16.55	-16.32	-15.86	-15.20	14.35	13.36	12.25	11.05	9.79	8.50	7.21	5.95	4.75	-3.64	-12.87	-12.84	-12.93	-13.18	13.59
-161.5	-14.20	-14.81	-15.22	-15.47	-15.56	-15.53	15.39	15.17	14.88	-14.55	14.20	-13.85	-13.52	-13.23	13.01	-12.87	-12.84	-12.93	-13.18	13.59
-161.0	-8.20	-9.18	-9.86	-10.27	-10.45	-10.42	-10.22	-9.88	9.44	8.94	8.40	-7.86	-7.36	6.92	6.58	-6.38	-6.35	-6.53	6.94	7.62
-160.5	-4.80	-4.70	-4.67	-4.69	-4.76	-4.87	-5.01	-5.19	-5.38	-5.59	-5.80	6.01	-6.22	-6.41	6.59	-6.73	-6.84	6.91	-6.93	6.90
-160.0	-3.50	-2.63	-2.60	-3.30	-4.64	-6.54	-8.90	-11.63	-14.63	-17.82	-21.10	24.38	-27.57	-30.57	-33.40	-35.66	-37.56	-38.90	-39.60	39.57
-159.5	-6.30	-4.93	-4.19	-4.01	-4.32	-5.06	-6.15	-7.51	9.09	10.81	12.60	-14.39	16.11	17.69	19.05	-20.14	-20.88	-21.19	21.01	20.27
-159.0	-2.40	-0.93	1.10	1.13	2.0	1.55	4.00	6.99	-10.40	14.08	17.90	21.72	-25.40	28.81	31.80	34.25	36.00	-36.93	36.90	35.77
-158.5	-12.00	-13.10	-13.98	-14.68	-15.21	-15.59	-15.85	-16.02	-16.12	-16.17	-16.20	16.23	16.28	16.38	16.55	-16.81	17.19	17.72	18.42	19.40

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-158.0	-8.10	-6.67	-5.95	-5.87	6.14	-7.29	8.63	10.30	12.20	14.26	16.40	18.54	20.60	22.50	24.17	25.51	26.46	26.93	26.85	26.13
-157.5	-19.60	-20.58	-21.26	-21.66	21.82	21.78	21.57	21.22	20.77	20.25	19.70	19.15	18.63	18.18	17.83	17.62	17.58	17.74	18.14	18.82
-157.0	-18.50	-21.51	-23.35	-24.15	24.03	23.14	21.59	19.53	17.07	14.35	11.50	8.65	5.93	3.47	1.41	1.4	1.03	1.15	3.5	1.49
-156.5	-11.30	-11.07	-10.79	-10.47	-10.12	-9.73	9.31	8.88	8.43	7.97	7.50	7.03	6.57	6.12	5.69	5.27	4.88	4.53	4.21	-3.93
-156.0	-14.10	-15.87	-17.12	-17.93	-18.34	-18.42	18.21	17.78	17.18	16.47	15.70	14.93	14.22	13.62	13.19	12.98	13.06	13.47	14.28	15.53
-155.5	-14.10	-15.36	-16.21	-16.68	-16.83	16.70	16.34	15.79	15.10	14.33	13.50	12.67	11.90	11.21	10.66	10.30	10.17	10.32	10.79	11.64
-155.0	-8.30	-7.19	-6.62	-6.52	6.85	7.54	8.53	9.77	11.18	12.71	14.30	15.89	17.42	18.83	20.07	21.06	21.75	22.08	21.98	21.41
-154.5	-6.20	-4.94	-4.30	-4.20	4.58	5.38	6.51	7.92	9.53	11.28	13.10	14.92	16.67	18.28	19.69	20.82	21.62	22.00	21.90	21.26
-154.0	-12.50	-11.82	-11.47	-11.43	-11.64	-12.08	-12.70	1.47	14.35	15.31	16.30	17.29	18.25	19.13	19.90	20.52	20.96	21.17	21.13	20.78
-153.5	-6.50	-3.90	-2.13	1.08	-6.7	8.1	1.40	2.36	3.50	5.00	6.50	8.00	9.41	10.64	11.60	12.19	12.33	11.92	10.87	9.10
-153.0	-20	80	1.15	91	15	-1.04	2.59	4.44	6.50	8.72	11.00	13.28	15.50	17.56	19.41	20.96	22.15	22.91	23.15	22.80
-152.5	-15.00	-15.59	-15.87	-15.88	-15.65	15.22	14.62	13.88	13.03	12.14	11.20	10.26	9.36	8.52	7.78	7.18	6.75	6.52	6.53	6.81
-152.0	-13.90	-12.70	-11.73	10.97	10.41	10.00	9.72	9.55	9.45	9.41	9.40	9.39	9.35	9.25	9.08	8.80	8.39	7.83	7.07	6.10
-151.5	-12.50	-9.78	-7.72	6.25	5.29	4.77	4.62	4.76	5.12	5.62	6.20	6.78	7.28	7.64	7.78	7.63	7.11	6.15	4.68	2.62
-151.0	-8.20	-8.00	-7.99	8.16	8.47	8.91	9.46	10.10	10.80	11.54	12.30	13.06	13.80	14.50	15.14	15.69	16.13	16.44	16.61	16.60
-150.5	-12.20	-12.36	-12.32	12.12	11.78	11.31	10.74	10.07	9.35	8.59	7.80	7.01	6.25	5.53	4.87	4.29	3.82	3.48	3.28	3.24
-150.0	-13.60	-12.10	-10.98	-10.19	9.69	9.45	9.41	9.53	9.79	10.12	10.50	10.88	11.21	11.47	11.59	11.55	11.31	10.81	10.02	8.90
-149.5	-9.30	-11.75	-13.72	-15.26	-16.43	17.28	17.86	18.23	18.33	18.55	18.60	18.65	18.76	18.97	19.34	19.92	20.77	21.94	23.48	25.45
-149.0	-5.00	-2.52	-3.88	01	25	09	89	2.06	3.52	5.16	6.90	8.64	10.28	11.74	12.91	13.71	14.04	13.81	12.92	11.28
-148.5	-9.30	-8.97	-8.74	-8.61	8.57	8.59	8.68	8.82	8.99	9.19	9.40	9.61	9.81	9.98	10.12	10.21	10.23	10.19	10.06	9.83
-148.0	-10.40	-9.91	-9.72	-9.81	-10.13	10.66	11.17	12.21	13.15	14.16	15.20	16.24	17.25	18.19	19.03	19.74	20.27	20.59	20.68	20.49
-147.5	-10.00	-11.48	-12.65	-13.54	-14.20	14.64	14.92	15.06	15.10	15.07	15.00	14.93	14.90	14.94	15.08	15.36	15.80	16.46	17.35	18.52
-147.0	-10.80	-10.46	-10.05	-9.59	-9.08	8.53	7.95	7.34	6.70	6.05	5.40	4.75	4.10	3.46	2.85	2.27	1.72	1.21	0.75	0.34
-146.5	-10.90	-10.37	-9.89	-9.44	9.03	8.64	8.29	7.95	7.62	7.31	7.00	6.69	6.38	6.05	5.71	5.36	4.97	4.56	4.11	3.63
-146.0	-13.50	-14.34	-14.86	-15.10	15.09	14.87	14.46	13.92	13.27	12.55	11.80	11.05	10.33	9.68	9.14	8.73	8.51	8.50	8.74	9.26
-145.5	-8.00	-7.90	-7.70	-7.40	-7.03	6.58	6.07	5.52	4.93	4.32	3.70	3.08	2.47	1.88	1.33	0.82	0.37	0.0	0.30	0.50
-145.0	-5.70	-5.07	-4.56	-4.16	-3.84	3.60	3.42	3.30	3.21	3.15	3.10	3.05	2.99	2.90	2.78	2.60	2.36	2.04	1.64	1.13
-144.5	-6.60	-6.77	-6.98	-7.21	-7.46	7.74	8.03	8.33	8.65	8.97	9.30	9.63	9.95	10.27	10.57	10.86	11.14	11.39	11.62	11.83
-144.0	-7.30	-6.70	-6.35	-6.24	-6.33	6.59	7.00	7.52	8.13	8.80	9.50	10.20	10.87	11.48	12.00	12.41	12.67	12.76	12.65	12.30
-143.5	-12.40	-11.97	-11.34	-10.53	-9.56	-8.46	7.24	5.93	4.56	3.14	1.70	0.26	1.16	2.53	3.84	5.06	6.16	7.13	7.94	8.57
-143.0	-4.10	-1.59	-0.7	55	39	-44	-1.82	3.65	5.82	8.20	10.70	13.20	15.58	17.75	19.58	20.96	21.79	21.95	21.33	19.81
-142.5	-5.60	-4.79	-4.54	-4.81	-5.51	6.60	8.00	9.65	11.50	13.47	15.50	17.53	19.50	21.35	23.00	24.40	25.49	26.19	26.46	26.21
-142.0	-16.30	-17.29	-17.75	-17.73	-17.31	-16.53	15.46	14.15	12.66	11.06	9.40	7.74	6.14	4.65	3.34	2.27	1.49	1.07	1.05	1.51
-141.5	-10.40	-10.73	-10.87	-10.82	-10.61	10.26	9.81	9.26	8.64	7.98	7.30	6.62	5.96	5.34	4.79	4.34	3.99	3.78	3.73	3.87
-141.0	-5.80	-5.07	-4.59	-4.34	-4.29	-4.40	-4.65	-5.01	-5.46	-5.97	6.50	7.03	7.54	7.99	8.35	8.60	8.71	8.66	8.41	7.93
-140.5	-5.50	-6.27	-7.28	-8.50	-9.90	-11.46	-13.15	-14.95	-16.82	-18.75	20.70	22.65	24.58	26.45	28.25	29.94	31.50	32.90	34.12	35.13
-140.0	-14.80	-12.56	-10.87	-9.67	-8.90	-8.49	8.39	8.53	8.85	9.29	9.80	10.31	10.75	11.07	11.21	11.11	10.70	9.93	8.73	7.04
-139.5	-11.00	-11.25	-11.33	-11.27	-11.08	-10.79	10.40	9.94	9.42	8.87	8.30	7.73	7.18	6.66	6.20	5.81	5.52	5.33	5.27	5.35
-139.0	-6.90	-7.01	-7.40	-8.04	-8.89	-9.93	11.12	12.43	13.84	15.30	16.80	18.30	19.76	21.17	22.48	23.67	24.71	25.56	26.20	26.59
-138.5	-11.80	-11.99	-12.26	-12.60	-12.99	-13.43	-13.91	-14.43	14.97	-15.53	-16.10	-16.67	-17.23	-17.77	-18.29	-18.77	-19.21	-19.60	-19.94	20.21
-138.0	-4.80	-4.26	-3.97	-3.89	-4.00	-4.27	-4.67	5.19	5.78	6.43	7.10	7.77	8.42	9.01	9.53	9.93	10.20	10.31	10.23	9.94
-137.5	-2.80	-4.31	-5.68	-6.90	-8.01	-9.01	9.93	10.78	-11.58	-12.35	13.10	13.85	14.62	15.42	-16.27	-17.19	-18.19	-19.30	-20.52	21.89
-137.0	-14.10	-14.60	-14.86	-14.90	-14.75	-14.44	13.99	-13.44	12.80	12.12	11.40	10.68	10.00	9.36	8.81	8.36	8.05	7.90	7.94	8.70

ASPECT

DIRECTIONAL ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
136.5	-9.70	-8.75	-7.92	-7.20	-6.57	-6.02	-5.54	-5.11	-4.72	-4.35	-4.00	-3.65	-3.28	-2.89	-2.46	-1.98	-1.43	-.80	.08	.75
136.0	-13.40	-14.88	-15.72	-16.00	-15.79	-15.15	-14.16	-12.89	-11.41	-9.79	-8.10	-6.41	-4.79	-3.31	-2.04	-1.05	-.41	-.20	-.48	1.32
135.5	-16.10	-17.56	-18.14	-17.95	-17.07	-15.62	-13.68	-11.35	-8.73	-5.91	-3.00	-.09	-2.73	-1.55	-7.68	9.62	11.07	11.95	12.14	11.56
135.0	-9.30	-7.06	-5.53	-4.62	-4.25	-4.36	-4.86	-5.67	-6.72	-7.92	-9.20	-10.48	-11.68	-12.73	-13.54	-14.04	-14.15	-13.78	-12.87	-11.34
134.5	-5.80	-6.11	-6.42	-6.74	-7.07	-7.40	-7.73	-8.07	-8.41	-8.76	-9.10	-9.44	-9.79	-10.13	-10.47	-10.80	-11.13	-11.46	-11.78	-12.09
134.0	-6.70	-6.23	-6.09	-6.24	-6.64	-7.27	-8.07	-9.03	-10.09	-11.23	-12.40	-13.57	-14.71	-15.77	-16.73	-17.53	-18.16	-18.56	-18.71	-18.57
133.5	-5.80	-5.04	-4.81	-5.06	-5.72	-6.74	-8.06	-9.61	-11.34	-13.19	-15.10	-17.01	-18.86	-20.59	-22.14	-23.46	-24.48	-25.14	-25.39	-25.16
133.0	-9.60	-9.99	-10.41	-10.86	-11.33	-11.83	-12.34	-12.87	-13.41	-13.95	-14.50	-15.05	-15.59	-16.13	-16.66	-17.17	-17.67	-18.14	-18.59	-19.01
132.5	-4.80	-3.59	-2.87	-2.58	-2.69	-3.12	-3.83	-4.75	-5.84	-7.04	-8.30	-9.56	-10.76	-11.85	-12.77	-13.48	-13.91	-14.02	-13.73	-13.01
132.0	-8.30	-5.97	-4.47	-3.69	-3.55	-3.96	-4.82	-6.05	-7.55	-9.23	-11.00	-12.77	-14.45	-15.95	-17.18	-18.04	-18.45	-18.31	-17.53	-16.03
131.5	-6.20	-6.00	-5.89	-5.88	-5.94	-6.06	-6.25	-6.47	-6.73	-7.01	-7.30	-7.59	-7.87	-8.13	-8.35	-8.54	-8.66	-8.72	-8.71	-8.60
131.0	-9.70	-10.94	-11.98	-12.84	-13.54	-14.11	-14.56	-14.92	-15.22	-15.47	-15.70	-15.93	-16.18	-16.48	-16.84	-17.30	-17.86	-18.56	-19.42	-20.46
130.5	-5.80	-6.41	-7.08	-7.78	-8.53	-9.31	-10.11	-10.94	-11.78	-12.64	-13.50	-14.36	-15.22	-16.06	-16.89	-17.69	-18.47	-19.22	-19.92	-20.59
130.0	-5.30	-5.83	-6.46	-7.16	-7.94	-8.77	-9.66	-10.58	-11.54	-12.51	-13.50	-14.49	-15.46	-16.42	-17.34	-18.23	-19.06	-19.84	-20.54	-21.17
129.5	-13.00	-13.90	-14.31	-14.30	-13.92	-13.22	-12.26	-11.08	-9.74	-8.30	-6.80	-5.30	-3.86	-2.52	-1.34	-.38	.32	.70	.71	.30
129.0	-2.20	-.93	-.27	-.14	-.48	1.22	2.29	3.63	5.18	6.86	8.60	10.34	12.02	13.57	14.91	15.98	16.72	-17.06	-16.93	-16.27
128.5	-9.10	-9.16	-9.11	-8.98	-8.77	-8.49	-8.16	-7.78	-7.37	-6.94	-6.50	-6.06	-5.63	-5.22	-4.84	-4.51	-4.23	-4.02	-3.89	-3.84
128.0	-7.50	-7.53	-7.65	-7.84	-8.09	-8.39	-8.74	-9.12	-9.53	-9.96	-10.40	-10.84	-11.27	-11.68	-12.06	-12.41	-12.71	-12.96	-13.15	-13.27
127.5	-9.50	-10.47	-11.28	-11.97	-12.53	-13.00	-13.38	-13.69	-13.96	-14.19	-14.40	-14.61	-14.84	-15.11	-15.42	-15.80	-16.27	-16.83	-17.52	-18.33
127.0	-7.30	-7.42	-7.53	-7.63	-7.72	-7.81	-7.90	-7.98	-8.05	-8.13	-8.20	-8.27	-8.35	-8.42	-8.50	-8.59	-8.68	-8.77	-8.87	-8.98
126.5	-4.50	-3.76	-3.37	-3.29	-3.48	-3.89	-4.50	-5.27	-6.15	-7.10	-8.10	-9.10	-10.05	-10.93	-11.70	-12.31	-12.72	-12.91	-12.83	-12.44
126.0	-7.90	-8.44	-9.00	-9.58	-10.19	-10.82	-11.45	-12.11	-12.77	-13.43	-14.10	-14.77	-15.43	-16.09	-16.75	-17.38	-18.01	-18.62	-19.20	-19.76
125.5	-15.10	-16.76	-17.76	-18.17	-18.07	-17.53	-16.63	-15.43	-14.01	-12.44	-10.80	-9.16	-7.59	-6.17	-4.97	-4.07	-3.53	-3.43	-3.84	-4.84
125.0	-9.50	-9.95	-10.21	-10.30	-10.25	-10.06	-9.78	-9.41	-8.91	-8.50	-8.00	-7.50	-7.03	-6.59	-6.22	-5.94	-5.75	-5.70	-5.79	-6.05
124.5	-8.80	-8.97	-9.38	-9.98	-10.75	-11.68	-12.73	-13.89	-15.12	-16.40	-17.70	-19.00	-20.28	-21.51	-22.67	-23.72	-24.65	-25.42	-26.02	-26.43
124.0	-6.70	-8.12	-9.20	-9.99	-10.51	-10.82	-10.94	-10.91	-10.71	-10.55	-10.30	-10.05	-9.83	-9.69	-9.66	-9.78	-10.09	-10.61	-11.40	-12.48
123.5	-14.90	-16.13	-17.07	-17.73	-18.16	-18.39	-18.46	-18.38	-18.21	-17.97	-17.70	-17.43	-17.19	-17.02	-16.94	-17.01	-17.24	-17.67	-18.33	-19.26
123.0	-14.50	-15.70	-16.60	-17.25	-17.66	-17.88	-17.94	-17.87	-17.70	-17.47	-17.20	-16.93	-16.70	-16.53	-16.46	-16.52	-16.74	-17.15	-17.80	-18.70
122.5	-12.20	-13.09	-13.51	-13.51	-13.36	-12.49	-11.56	-10.43	-9.14	-7.75	-6.30	-4.85	-3.46	-2.17	-1.04	-.11	.56	.91	.91	.49
122.0	-12.20	-13.52	-14.47	-15.09	-15.43	-15.52	-15.40	-15.12	-14.71	-14.23	-13.70	-13.17	-12.69	-12.28	-12.00	-11.88	-11.97	-12.31	-12.93	-13.88
121.5	-13.10	-11.70	-10.43	-9.29	-8.25	-7.30	-6.43	-5.62	-4.85	-4.12	-3.40	-2.68	-1.95	-1.18	-.37	.50	1.45	2.49	3.63	4.90
121.0	-6.20	-4.16	-2.77	-1.97	-1.67	-1.81	-2.31	-3.10	-4.11	-5.27	-6.50	-7.73	-8.89	-9.90	-10.69	-11.19	-11.33	-11.03	-10.23	8.84
120.5	-12.10	-10.40	-8.97	-7.77	-6.78	-5.97	-5.30	-4.74	-4.28	-3.88	-3.50	-3.12	-2.72	-2.26	-1.70	-1.03	-.22	.77	1.97	3.40
120.0	-8.30	-8.83	-9.53	-10.37	-11.33	-12.39	-13.55	-14.77	-16.05	-17.37	-18.70	-20.03	-21.35	-22.63	-23.85	-25.01	-26.07	-27.03	-27.87	-28.57
119.5	-15.50	-15.15	-14.74	-14.27	-13.75	-13.19	-12.59	-11.97	-11.32	-10.67	-10.00	-9.33	-8.68	-8.03	-7.41	-6.81	-6.25	-5.73	-5.26	-4.85
119.0	-17.00	-18.00	-18.50	-18.57	-18.26	-17.62	-16.70	-15.57	-14.27	-12.86	-11.40	-9.94	-8.53	-7.23	-6.10	-5.10	-4.34	-4.23	-4.30	-4.80
118.5	-8.50	-6.87	-5.72	-5.01	-4.67	-4.65	-4.90	-5.36	-5.98	-6.71	-7.50	-8.29	-9.02	-9.64	-10.10	-10.35	-10.33	-9.99	-9.28	8.13
118.0	-11.20	-11.01	-10.78	-10.51	-10.21	-9.88	-9.53	-9.16	-8.78	-8.39	-8.00	-7.61	-7.22	-6.84	-6.47	-6.12	-5.79	-5.49	-5.22	4.99
117.5	-9.80	-9.46	-8.97	-8.35	-7.60	-6.76	-5.83	-4.83	-3.78	-2.70	-1.60	-.50	.58	1.63	2.63	3.56	4.40	5.15	5.77	6.26
117.0	-9.80	-9.61	-9.34	-9.02	-8.64	-8.22	-7.76	-7.27	-6.76	-6.23	-5.70	-5.17	-4.64	-4.13	-3.64	-3.18	-2.76	-2.38	-2.06	1.79
116.5	-1.70	-.02	.93	1.10	.64	-.36	-1.82	-3.65	-5.75	-8.03	-10.40	-12.77	-15.05	-17.15	-18.98	-20.44	-21.44	-21.90	-21.73	20.82
116.0	-10.30	-10.18	-10.32	-10.67	-11.23	-11.95	-12.81	-13.79	-14.84	-15.96	-17.10	-18.24	-19.36	-20.41	-21.39	-22.25	-22.97	-23.53	-23.88	24.02
115.5	-3.00	-1.89	-1.63	-2.11	-3.25	-4.95	-7.12	-9.66	-12.48	-15.50	-18.60	-21.70	-24.72	-27.54	-30.08	-32.25	-33.95	-35.09	-35.57	35.31

ASPECT

BISTATIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-115.0	-10.80	-9.63	8.81	8.30	8.05	8.04	8.22	8.56	9.01	9.53	-10.10	10.67	11.19	11.64	-11.98	-12.16	-12.15	-11.90	-11.39	-10.57
-114.5	-7.90	-4.62	-2.30	-0.82	-0.08	0.02	-0.41	-1.26	-2.43	3.81	-5.30	6.79	-8.17	-9.34	-10.19	-10.62	-10.52	-9.78	-8.30	-5.98
-114.0	-3.10	-3.1	1.60	2.72	3.15	3.00	2.35	1.30	-0.3	-1.57	3.20	4.83	6.37	-7.70	-8.75	-9.40	-9.55	-9.12	-8.00	-6.09
-113.5	-4.00	-4.50	-5.02	-5.56	-6.11	-6.67	-7.24	-7.83	-8.41	-9.01	9.60	10.19	-10.79	-11.37	-11.96	-12.53	-13.09	-13.64	-14.18	-14.70
-113.0	-6.80	-7.52	-8.37	-9.32	-10.37	-11.50	-12.70	-13.95	-15.25	-16.57	17.90	-19.23	-20.55	-21.85	-23.10	-24.30	-25.43	-26.48	-27.43	-28.28
-112.5	-1.30	-0.98	-0.87	-0.92	-1.13	-1.48	-1.93	-2.47	3.08	3.73	-4.40	5.07	-5.72	6.33	-6.87	-7.32	-7.67	-7.88	-7.93	-7.82
-112.0	-6.10	-4.05	-2.68	-1.91	-1.66	-1.86	-2.44	-3.32	4.42	5.67	-7.00	8.33	9.58	-10.68	-11.56	-12.14	-12.34	-12.09	-11.32	-9.95
-111.5	-7.80	-8.83	-9.81	-10.73	-11.60	-12.43	-13.22	-13.99	-14.74	-15.47	-16.20	-16.93	-17.66	-18.41	-19.18	-19.97	-20.80	-21.67	-22.59	-23.57
-111.0	-7.30	-7.59	-7.79	-7.90	-7.94	7.91	7.83	-7.71	-7.56	-7.38	-7.20	-7.02	-6.84	-6.69	-6.57	6.49	-6.46	-6.50	-6.61	-6.81
-110.5	-12.60	-14.51	-15.63	-16.05	-15.87	-15.16	-14.01	-12.51	-10.75	-8.82	6.80	4.78	-2.85	-1.09	41	1.56	2.27	2.45	2.03	0.91
-110.0	-11.20	-12.57	-13.26	-13.37	-12.95	-12.09	-10.86	-9.33	-7.58	-5.68	3.70	1.72	-1.8	1.93	3.46	4.69	5.55	5.97	5.86	5.17
-109.5	-10.30	-12.17	-13.40	-14.05	-14.19	-13.90	-13.26	-12.32	-11.17	-9.87	8.50	7.13	-5.83	-4.68	-3.74	-3.10	-2.81	-2.95	-3.60	-4.83
-109.0	-4.20	-3.66	-3.18	2.75	2.36	-2.01	-1.69	1.39	1.12	86	60	34	-0.8	1.9	49	81	1.16	1.55	1.98	2.46
-108.5	-10.30	-9.65	8.92	-8.13	7.29	6.39	5.46	4.50	-3.51	2.51	-1.50	-0.49	5.1	1.50	2.46	3.39	4.29	5.13	5.92	6.65
-108.0	-4.30	3.57	2.80	-1.99	1.14	-26	64	156	2.50	3.45	4.40	5.35	6.30	7.24	8.16	9.06	9.94	10.79	11.60	12.37
-107.5	-8.30	-6.78	-5.28	-3.81	-2.35	-0.2	50	191	3.31	4.71	6.10	7.49	8.89	10.29	11.70	13.12	14.55	16.01	17.48	18.98
-107.0	-9.00	-7.24	-5.57	-3.99	-2.48	-1.04	35	170	3.02	4.32	5.60	6.88	8.18	9.50	10.85	12.24	13.68	15.19	16.77	18.44
-106.5	-10.60	-11.00	-10.99	-10.61	-9.91	-8.95	7.75	6.37	4.86	3.25	1.60	05	1.66	3.17	4.55	5.75	6.71	7.41	7.79	7.80
-106.0	-7.20	-6.67	-5.80	-4.63	-3.19	-1.52	33	234	4.46	6.66	8.90	11.14	13.34	15.46	17.47	19.32	20.99	22.43	23.60	24.47
-105.5	-6.80	-7.06	-7.02	-6.71	-6.16	-5.41	4.49	3.44	2.28	1.06	20	1.46	2.68	3.84	4.89	5.81	6.56	7.11	7.42	7.46
-105.0	-9.20	-8.48	-7.37	-5.90	-4.12	-2.07	20	264	5.22	7.89	10.60	13.31	15.98	18.56	21.00	23.27	25.32	27.10	28.57	29.68
-104.5	-2.70	-4.7	87	1.42	1.28	56	-66	2.28	4.19	-6.29	8.50	-10.71	-12.81	-14.72	-16.34	-17.56	-18.28	-18.42	-17.87	-16.53
-104.0	-8.30	-8.03	-7.95	-8.05	-8.29	-8.66	9.14	9.71	10.33	-11.01	11.70	-12.39	-13.07	-13.69	-14.26	-14.74	-15.11	-15.35	-15.45	-15.37
-103.5	-4.10	-3.65	-3.19	-2.72	-2.24	-1.75	1.25	-74	-23	28	80	1.32	1.83	2.34	2.85	3.35	3.84	4.32	4.79	5.25
-103.0	-4.80	-7.00	8.26	8.68	8.38	7.46	6.01	4.15	1.97	-41	2.90	-5.39	-7.77	-9.95	-11.81	-13.26	-14.18	-14.48	-14.06	-12.80
-102.5	-4.50	7.40	9.28	10.23	10.39	9.86	8.75	7.19	5.28	3.15	90	-1.35	-3.48	-5.39	-6.95	-8.06	-8.59	-8.43	-7.48	-5.60
-102.0	3.00	5.48	6.90	7.37	7.02	5.97	4.32	2.20	-27	-2.98	-5.80	-8.62	-11.33	-13.80	-15.92	-17.57	-18.62	-18.97	-18.50	-17.08
-101.5	6.70	8.52	9.59	9.98	9.78	9.07	7.95	6.48	4.76	2.87	90	-1.07	-2.96	-4.68	-6.15	-7.27	-7.98	-8.18	-7.79	-6.72
-101.0	3.30	3.46	3.52	3.51	3.43	3.28	3.09	2.85	2.58	2.30	2.00	1.70	1.42	1.15	91	72	57	49	48	54
-100.5	5.60	7.41	8.62	9.31	9.55	9.39	8.91	8.16	7.21	6.14	5.00	3.86	2.79	1.84	1.09	61	45	69	138	259
-100.0	-10.50	-13.04	-14.32	-14.47	-13.63	-11.95	-9.56	-6.61	-3.24	-41	4.20	7.99	11.64	15.01	17.96	20.35	22.03	22.87	22.72	21.44
-99.5	0.0	-1.42	-2.70	-3.84	-4.88	-5.81	-6.67	-7.46	-8.20	-8.91	-9.60	-10.29	-11.00	-11.74	-12.53	-13.39	-14.32	-15.36	-16.50	-17.78
-99.0	-4.00	-5.09	-5.87	-6.36	-6.60	-6.62	-6.47	-6.18	-5.78	-5.31	-4.80	-4.29	-3.82	-3.42	-3.13	-2.98	-3.00	-3.24	-3.73	-4.51
-98.5	-6.40	-6.99	-7.33	-7.44	-7.36	-7.11	-6.72	-6.21	-5.62	-4.97	-4.30	-3.63	-2.98	-2.39	-1.88	-1.49	-1.24	-1.16	-1.27	-1.61
-98.0	-1.70	-3.09	-3.93	-4.30	-4.25	-3.84	-3.13	-2.18	-1.06	19	1.50	2.81	4.06	5.18	6.13	6.84	7.25	7.30	6.93	6.09
-97.5	-6.60	-9.08	-10.68	-11.51	-11.67	-11.24	-10.33	-9.04	-7.45	-5.68	-3.80	-1.93	-1.15	1.44	2.73	3.64	4.07	3.91	3.08	1.47
-97.0	-2.10	-2.54	-2.91	-3.22	-3.48	-3.70	-3.88	-4.04	-4.17	-4.29	-4.40	-4.51	-4.63	-4.76	-4.92	-5.10	-5.32	-5.58	-5.89	-6.26
-96.5	1.20	1.1	-68	-1.18	-1.45	-1.51	-1.39	-1.14	-0.78	-0.36	10	56	98	1.34	1.59	1.71	1.65	1.38	0.88	0.09
-96.0	2.30	3.87	4.65	4.73	4.21	3.16	1.67	-17	-2.27	-4.54	-6.90	-9.26	-11.53	-13.63	-15.47	-16.96	-18.01	-18.53	-18.45	-17.67
-95.5	6.20	8.24	9.36	9.66	9.26	8.25	6.73	4.80	2.57	14	-2.40	-4.94	-7.37	-9.60	-11.53	-13.05	-14.06	-14.46	-14.16	-13.04
-95.0	-4.50	-4.93	-5.20	-5.32	-5.32	-5.22	-5.02	-4.75	-4.43	-4.07	-3.70	-3.33	-2.97	-2.65	-2.38	-2.18	-2.08	-2.08	-2.20	-2.47
-94.5	-8.50	-8.34	-8.14	-7.91	-7.65	-7.37	-7.06	-6.73	-6.40	-6.05	-5.70	-5.35	-5.00	-4.67	-4.34	-4.03	-3.75	-3.49	-3.26	-3.06
-94.0	-5.00	-6.08	-6.85	-7.34	-7.58	-7.62	-7.49	-7.21	-6.83	-6.38	-5.90	-5.42	-4.97	-4.59	-4.31	-4.18	4.22	4.46	4.95	5.72

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-93.5	-8.30	-10.61	-12.11	-12.88	-13.02	-12.62	-11.76	-10.54	9.04	7.37	5.60	3.83	2.16	-.66	-.56	1.42	1.82	1.68	-.91	-.59
-93.0	-5.60	-6.97	-7.66	-7.75	-7.32	-6.43	-5.18	-3.62	-1.84	-.09	2.10	4.11	6.04	7.82	9.38	10.63	11.52	11.95	11.86	11.17
-92.5	-3.40	-3.06	-2.95	-3.04	-3.31	-3.72	-4.27	-4.91	-5.63	-6.40	-7.20	-8.00	-8.77	-9.49	-10.13	-10.68	-11.09	-11.36	-11.45	-11.34
-92.0	-11.60	-11.76	-11.54	-10.97	-10.11	-9.00	-7.67	-6.18	-4.56	-2.85	-1.10	-.65	2.36	3.98	5.47	6.80	7.91	8.77	9.34	9.56
-91.5	-3.90	-2.24	-1.33	-1.07	-1.39	-2.20	-3.43	-4.98	-6.79	-8.75	-10.80	-12.85	-14.81	-16.62	-18.17	-19.40	-20.21	-20.53	-20.27	-19.36
-91.0	-7.20	-8.39	-9.31	-10.01	-10.50	-10.82	-10.99	-11.04	-11.01	-10.92	-10.80	-10.68	-10.59	-10.56	-10.61	-10.78	-11.10	-11.59	-12.29	-13.21
-90.5	-4.10	-3.25	-2.66	-2.33	-2.20	-2.26	-2.46	-2.79	-3.21	-3.69	-4.20	-4.71	-5.19	-5.61	-5.94	-6.14	-6.20	-6.07	-5.74	-5.15
-90.0	-13.20	-14.15	-14.50	-14.32	-13.67	-12.62	-11.24	-9.58	-7.73	-5.75	-3.70	-1.65	-.33	2.18	3.84	5.22	6.27	6.92	7.10	6.75
-89.5	-8.20	-8.56	-8.62	-8.40	-7.95	-7.28	-6.45	-5.48	-4.41	-3.27	-2.10	-.93	-.21	1.28	2.25	3.08	3.75	4.20	4.42	4.36
-89.0	-5.80	-4.01	-2.81	-2.14	-1.94	-2.12	-2.64	-3.43	-4.41	-5.52	-6.70	-7.88	-8.99	-9.97	-10.76	-11.28	-11.46	-11.26	-10.59	-9.39
-88.5	1.10	2.11	2.59	2.60	2.19	1.44	-.38	-.91	-2.37	-3.96	-5.60	-7.24	-8.83	-10.29	-11.58	-12.64	-13.39	-13.80	-13.79	-13.31
-88.0	-3.60	-2.73	-2.43	-2.64	-3.30	-4.33	-5.68	-7.29	-9.09	-11.01	-13.00	-14.99	-16.91	-18.71	-20.32	-21.67	-22.70	-23.36	-23.57	-23.27
-87.5	-1.50	1.10	2.38	2.49	1.56	-.25	-2.80	-5.93	-9.51	-13.38	-17.40	-21.42	-25.29	-28.87	-32.00	-34.55	-36.36	-37.29	-37.18	-35.90
-87.0	-6.90	-5.15	-4.03	-3.47	-3.42	-3.78	-4.50	-5.50	-6.72	-8.07	-9.50	-10.93	-12.28	-13.50	-14.50	-15.22	-15.58	-15.53	-14.97	-13.86
-86.5	-3.20	-3.03	-3.25	-3.80	-4.65	-5.75	-7.07	-8.55	-10.16	-11.86	-13.60	-15.34	-17.04	-18.65	-20.13	-21.45	-22.55	-23.40	-23.95	-24.17
-86.0	-4.90	-6.10	-7.00	-7.65	-8.06	-8.28	-8.34	-8.27	-8.10	-7.87	-7.60	-7.33	-7.10	-6.93	-6.86	-6.92	-7.14	-7.55	-8.20	-9.10
-85.5	-6.10	-6.83	-7.29	-7.52	-7.54	-7.39	-7.09	-6.67	-6.16	-5.60	-5.00	-4.40	-3.84	-3.33	-2.91	-2.61	-2.46	-2.48	-2.71	-3.17
-85.0	-7.20	-9.06	-10.31	-11.03	-11.27	-11.11	-10.61	-9.84	-8.87	-7.77	-6.60	-5.43	-4.33	-3.36	-2.59	-2.09	-1.93	-2.17	-2.89	-4.14
-84.5	-10.60	-10.92	-10.89	-10.56	-9.95	-9.11	-8.08	-6.90	-5.60	-4.22	-2.80	-1.38	-.00	1.30	2.48	3.51	4.35	4.96	5.29	5.32
-84.0	-4.70	-3.69	-3.01	-2.61	-2.47	-2.54	-2.80	-3.20	-3.70	-4.28	-4.90	-5.52	-6.10	-6.60	-7.00	-7.26	-7.33	-7.19	-6.79	-6.11
-83.5	-8.80	-9.69	-10.12	-10.13	-9.78	-9.13	-8.21	-7.09	-5.81	-4.43	-3.00	-1.57	-.19	1.09	2.21	3.13	3.78	4.13	4.12	3.69
-83.0	-5.10	-5.50	-6.05	-6.74	-7.56	-8.47	-9.47	-10.55	-11.67	-12.83	-14.00	-15.17	-16.33	-17.45	-18.53	-19.53	-20.44	-21.26	-21.95	-22.50
-82.5	-8.70	-7.63	-6.87	-6.39	-6.15	-6.12	-6.27	-6.56	-6.95	-7.41	-7.90	-8.39	-8.85	-9.24	-9.53	-9.68	-9.65	-9.41	-8.93	8.17
-82.0	-5.80	-4.88	-4.21	-3.78	-3.55	-3.49	-3.58	-3.79	-4.08	-4.42	-4.80	-5.18	-5.52	-5.81	-6.02	-6.11	-6.05	-5.82	-5.39	-4.72
-81.5	-7.10	-6.51	-7.40	-8.41	-9.69	-11.18	-12.83	-14.59	-16.40	-18.21	-20.02	-21.82	-23.62	-25.40	-27.16	-28.89	-30.59	-32.26	-33.90	-35.49
-81.0	-7.10	-8.20	-9.16	-10.00	-10.74	-11.39	-11.96	-12.47	-12.94	-13.38	-13.80	-14.22	-14.66	-15.13	-15.64	-16.21	-16.86	-17.60	-18.44	-19.40
-80.5	-7.50	-8.69	-9.76	-10.73	-11.61	-12.41	-13.14	-13.83	-14.47	-15.09	-15.70	-16.31	-16.93	-17.57	-18.26	-18.99	-19.79	-20.67	-21.64	-22.71
-80.0	-7.50	-6.93	-6.61	-6.51	-6.61	-6.87	-7.27	-7.78	-8.37	-9.02	-9.70	-10.38	-11.03	-11.62	-12.13	-12.53	-12.79	-12.89	-12.79	-12.47
-79.5	-9.30	-9.82	-10.21	-10.49	-10.65	-10.73	-10.73	-10.68	-10.58	-10.45	-10.30	-10.15	-10.02	-9.92	-9.87	-9.87	-9.95	-10.11	-10.39	-10.78
-79.0	-9.90	-9.00	-8.51	-8.40	-8.61	-9.10	-9.82	-10.73	-11.78	-12.91	-14.10	-15.29	-16.42	-17.47	-18.38	-19.10	-19.59	-19.80	-19.69	-19.20
-78.5	-8.50	-8.41	-8.57	-8.96	-9.54	-10.29	-11.19	-12.19	-13.28	-14.43	-15.60	-16.77	-17.92	-19.01	-20.01	-20.91	-21.66	-22.24	-22.63	-22.79
-78.0	-5.80	-5.02	-4.57	-4.41	-4.51	-4.82	-5.32	-5.96	-6.71	-7.54	-8.40	-9.26	-10.09	-10.84	-11.48	-11.98	-12.29	-12.39	-12.23	11.78
-77.5	-17.20	-17.21	-17.03	-16.66	-16.14	-15.49	-14.73	-13.87	-12.95	-11.99	-11.00	-10.01	-9.05	-8.13	-7.27	-6.51	-5.86	-5.34	-4.97	-4.79
-77.0	-14.80	-16.49	-17.71	-18.53	-18.98	-19.12	-19.01	-18.69	-18.21	-17.63	-17.00	-16.37	-15.79	-15.31	-14.99	-14.88	-15.02	-15.47	-16.29	-17.51
-76.5	-11.10	-12.17	-12.94	-13.43	-13.69	-13.74	-13.61	-13.35	-12.99	-12.56	-12.10	-11.64	-11.21	-10.85	-10.59	-10.46	-10.51	-10.77	-11.26	-12.03
-76.0	-4.80	-3.01	-1.98	-1.63	-1.87	-2.62	-3.78	-5.29	-7.05	-8.98	-11.00	-13.02	-14.95	-16.71	-18.22	-19.38	-20.13	-20.37	-20.02	-18.99
-75.5	-12.40	-13.89	-14.86	-15.35	-15.42	-15.14	-14.57	-13.76	-12.77	-11.67	-10.50	-9.33	-8.23	-7.24	-6.43	-5.86	-5.58	-5.65	-6.14	-7.11
-75.0	-10.40	-11.19	-11.70	-11.96	-12.00	-11.85	-11.55	-11.12	-10.60	-10.01	-9.40	-8.79	-8.20	-7.68	-7.25	-6.95	-6.80	-6.84	-7.10	-7.61
-74.5	-12.60	-11.56	-10.82	-10.33	-10.06	-9.99	-10.08	-10.30	-10.61	-10.99	-11.40	-11.81	-12.19	-12.50	-12.72	-12.81	-12.74	-12.47	-11.98	-11.24
-74.0	-10.20	-10.39	-10.53	-10.63	-10.68	-10.70	-10.70	-10.67	-10.62	-10.56	-10.50	-10.44	-10.38	-10.33	-10.30	-10.30	-10.32	-10.37	-10.47	10.61
-73.5	-5.10	-4.65	-4.65	-5.04	-5.77	-6.81	-8.09	-9.57	-11.20	-12.92	-14.70	-16.48	-18.20	-19.83	-21.31	-22.59	-23.63	-24.36	-24.75	24.75
-73.0	-12.60	-13.57	-14.23	-14.62	-14.76	-14.70	-14.47	-14.10	-13.62	-13.08	-12.50	-11.92	-11.38	-10.90	-10.53	-10.30	-10.24	-10.38	-10.77	-11.43
-72.5	-9.90	-8.85	-8.16	-7.78	-7.67	-7.80	-8.13	-8.61	-9.21	-9.88	-10.60	-11.32	-11.99	-12.59	-13.07	-13.40	-13.53	-13.42	-13.04	-12.35

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
72.0	-5.10	4.17	-3.68	-3.58	-3.83	4.38	5.17	6.15	-7.29	8.52	9.80	-11.08	-12.31	-13.45	-14.43	-15.22	-15.77	-16.02	-15.92	-15.43
71.5	-10.80	-9.98	-9.44	9.15	-9.08	9.20	9.47	9.87	10.36	10.91	-11.50	12.09	-12.64	-13.13	-13.53	-13.80	-13.92	-13.85	-13.56	-13.02
71.0	-7.60	-6.52	-6.05	-6.13	-6.68	-7.64	8.94	10.52	12.30	-14.22	-16.20	-18.18	-20.10	-21.88	-23.46	-24.76	-25.72	-26.27	-26.35	-25.88
70.5	-5.80	-6.87	-7.91	8.91	-9.89	-10.84	11.78	12.70	13.60	-14.50	-15.40	-16.30	-17.20	-18.10	-19.02	-19.96	-20.91	-21.89	-22.89	-23.93
70.0	-5.50	-4.46	-3.96	-3.94	-4.35	-5.12	6.20	7.51	9.01	-10.62	-12.30	-13.98	-15.59	-17.09	-18.40	-19.48	-20.25	-20.66	-20.64	-20.14
69.5	-8.60	-8.07	-7.70	-7.46	-7.34	-7.33	7.40	7.54	7.73	-7.96	-8.20	-8.44	-8.67	-8.86	-9.00	-9.07	-9.06	-8.94	-8.70	-8.33
69.0	-10.50	-10.44	-10.19	-9.78	-9.22	-8.54	-7.76	6.89	5.96	-4.99	4.00	-3.01	-2.04	-1.11	-0.24	.54	1.22	1.78	2.19	2.44
68.5	-12.80	-13.00	-13.13	-13.18	-13.17	-13.10	13.00	-12.85	-12.68	-12.50	12.30	-12.10	-11.92	-11.75	-11.60	-11.50	-11.43	-11.42	-11.47	-11.60
68.0	9.20	-8.68	-8.31	-8.05	-7.90	-7.85	-7.87	-7.95	8.07	-8.23	-8.40	-8.57	-8.73	-8.85	-8.93	-8.95	-8.90	8.75	-8.49	-8.12
67.5	-8.70	-10.27	-11.67	-12.93	-14.07	-15.09	-16.02	-16.88	-17.68	-18.45	-19.20	-19.95	-20.72	-21.52	-22.38	-23.31	-24.33	-25.47	-26.73	-28.13
67.0	-7.90	-7.68	-7.88	-8.47	-9.38	-10.58	12.02	13.65	15.42	-17.29	19.20	-21.11	-22.98	-24.75	-26.38	-27.82	-29.02	-29.93	-30.52	-30.72
66.5	-10.20	-9.08	-8.30	-7.83	-7.63	-7.65	7.87	8.25	8.73	9.30	-9.90	-10.50	-11.07	-11.55	-11.93	-12.15	-12.17	-11.97	-11.50	-10.72
66.0	-8.60	-6.54	-5.06	-4.10	-3.59	-3.47	3.67	4.13	4.78	5.56	6.40	-7.24	-8.02	-8.67	-9.13	-9.33	-9.21	-8.70	-7.74	-6.26
65.5	2.10	1.32	3.36	4.17	3.91	2.73	7.8	1.78	-4.80	-8.12	-11.60	-15.08	-18.40	-21.42	-23.98	-25.93	-27.11	-27.37	-26.56	-24.52
65.0	-14.10	-15.58	-16.67	-17.42	-17.87	-18.07	18.05	17.86	17.55	17.14	-16.70	-16.26	-15.85	-15.54	-15.35	-15.33	-15.53	-15.98	-16.73	-17.82
64.5	-5.90	-5.84	-5.99	-6.34	-6.85	-7.51	8.28	9.15	-10.10	-11.09	-12.10	-13.11	-14.10	-15.05	-15.92	-16.69	-17.35	-17.86	-18.21	-18.36
64.0	-7.20	-6.15	-5.60	-5.50	-5.80	-6.43	7.35	8.49	9.80	11.22	12.70	-14.18	-15.60	-16.91	-18.05	-18.97	-19.60	-19.90	-19.80	-19.25
63.5	-10.30	-10.23	-10.40	-10.80	-11.38	-12.13	13.02	14.02	15.10	16.24	-17.40	-18.56	-19.70	-20.78	-21.78	-22.67	-23.42	-24.00	-24.40	-24.57
63.0	-10.00	-11.37	-12.09	-12.20	-11.81	-10.97	9.76	8.25	6.52	-4.65	2.70	-7.5	1.12	2.85	4.36	5.57	6.41	6.80	6.69	5.97
62.5	-6.50	-3.26	-.92	-.64	1.50	1.77	1.55	.94	.02	-1.09	-2.30	-3.51	-4.62	-5.54	-6.15	-6.37	-6.10	-5.24	-3.68	-1.34
62.0	-9.10	-9.17	-9.37	-9.67	-10.07	-10.55	11.10	-11.70	-12.35	-13.02	13.70	-14.38	-15.05	-15.70	-16.30	-16.85	-17.33	-17.73	-18.03	-18.23
61.5	-10.70	-10.86	-10.85	-10.70	-10.43	-10.04	9.56	-9.01	8.40	-7.76	7.10	-6.44	-5.80	-5.19	-4.64	-4.16	-3.77	-3.50	-3.35	-3.34
61.0	-7.60	-7.02	-6.52	-6.09	-5.73	-5.42	-5.16	-4.94	-4.74	-4.57	-4.40	-4.23	-4.06	-3.86	-3.64	-3.38	-3.07	-2.71	-2.28	-1.78
60.5	-8.70	-9.62	-10.33	-10.85	-11.22	-11.44	11.55	-11.57	11.52	11.42	-11.30	-11.18	-11.08	-11.03	-11.05	-11.16	-11.38	-11.75	-12.27	-12.98
60.0	-11.00	-12.90	-14.24	-15.08	-15.48	-15.50	-15.22	14.68	-13.96	13.11	-12.20	-11.29	-10.44	-9.72	-9.18	-8.90	-8.92	-9.32	-10.16	-11.50
59.5	-.60	1.28	2.29	2.53	2.10	1.10	-.39	-2.25	-4.41	6.76	-9.20	-11.64	-13.99	-16.15	-18.01	-19.50	-20.50	-20.93	-20.69	-19.68
59.0	-15.50	-15.97	-15.96	-15.51	-14.69	-13.55	-12.14	-10.52	8.74	-6.85	-4.90	-2.95	-1.06	.72	2.34	3.75	4.89	5.71	6.16	6.17
58.5	-5.60	-6.91	-7.85	-8.45	-8.76	-8.81	-8.66	8.34	-7.90	-7.37	-6.80	-6.23	-5.70	-5.26	-4.94	-4.79	-4.84	-5.15	-5.75	-6.69
58.0	5.30	-4.61	-4.38	-4.55	-5.08	-5.92	-7.01	-8.31	9.75	11.30	12.90	-14.50	-16.05	-17.49	-18.79	-19.88	-20.72	-21.25	-21.42	-21.19
57.5	-3.80	-3.17	-2.85	-2.79	-2.98	-3.37	-3.93	-4.63	-5.43	-6.30	-7.20	-8.10	-8.97	-9.77	-10.47	-11.03	-11.42	-11.61	-11.55	-11.23
57.0	-8.50	-10.48	-11.80	-12.54	-12.77	-12.56	-11.98	-11.12	-10.03	-8.80	-7.50	-6.20	-4.97	-3.88	-3.02	-2.44	-2.23	-2.46	-3.20	-4.52
56.5	-4.50	-3.44	-3.05	-3.24	-3.95	-5.10	-6.62	-8.43	-10.46	-12.65	-14.90	-17.15	-19.34	-21.37	-23.18	-24.70	-25.85	-26.56	-26.75	-26.36
56.0	-6.30	-6.69	-7.16	-7.71	-8.31	-8.98	-9.69	-10.43	-11.21	-12.00	-12.80	-13.60	-14.39	-15.17	-15.91	-16.62	-17.29	-17.89	-18.44	-18.91
55.5	-9.70	-9.32	-8.86	-8.33	-7.74	-7.10	-6.41	-5.69	-4.94	4.17	-3.40	-2.63	-1.86	-1.11	-.39	.30	.94	1.53	2.06	2.52
55.0	-9.20	-10.01	-10.54	-10.82	-10.88	-10.76	-10.47	-10.06	-9.56	-9.00	-8.40	-7.80	-7.24	-6.74	-6.33	-6.04	-5.92	-5.98	-6.26	-6.79
54.5	9.40	-8.68	-8.28	-8.16	-8.29	-8.63	9.15	-9.82	-10.58	11.42	-12.30	-13.18	-14.02	-14.78	-15.45	-15.97	-16.31	-16.44	-16.32	-15.92
54.0	-5.40	-5.36	-5.36	-5.38	-5.42	-5.49	-5.57	-5.67	-5.77	-5.88	-6.00	-6.12	-6.23	-6.33	-6.43	-6.51	-6.58	-6.62	-6.64	-6.64
53.5	-5.00	-6.75	-7.95	-8.66	-8.94	-8.84	-8.44	-7.80	-6.97	-6.01	-5.00	-3.99	-3.03	-2.20	-1.56	-1.16	-1.06	-1.34	-2.05	-3.25
53.0	-14.30	-15.40	-15.95	-15.99	-15.61	-14.84	-13.77	-12.44	-10.93	-9.30	-7.60	-5.90	-4.27	-2.76	-1.43	-.36	.40	.79	.75	.20
52.5	-9.40	-9.42	-9.39	-9.31	-9.20	-9.05	-8.87	-8.68	-8.46	-8.23	-8.00	-7.77	-7.54	-7.32	-7.13	-6.95	-6.80	-6.69	-6.61	-6.58
52.0	-7.00	-7.64	-8.06	-8.27	-8.30	-8.18	-7.94	-7.59	-7.17	-6.70	-6.20	-5.70	-5.23	-4.81	-4.46	-4.22	-4.10	-4.13	-4.34	-4.76
51.5	2.10	3.13	3.57	3.49	2.96	2.03	.78	-.74	-2.45	-4.29	-6.20	-8.11	-9.95	-11.66	-13.18	-14.43	-15.36	-15.80	-15.97	-15.53
51.0	-12.50	-14.91	-16.72	-18.01	-18.85	-19.29	-19.41	-19.26	-18.91	-18.44	-17.90	-17.36	-16.89	-16.54	-16.39	-16.51	-16.95	-17.79	-19.08	-20.89

ASPECT

BISTATIC ANGLE

ASPECT ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
50.5	-14.40	-16.24	-17.68	-18.76	-19.53	-20.03	-20.31	-20.41	-20.38	-20.26	-20.10	-19.94	-19.82	-19.79	-19.89	-20.17	-20.67	-21.44	-22.52	-23.96
50.0	-14.10	-16.01	-17.12	-17.52	-17.30	-16.54	-15.35	-13.80	-11.98	-9.98	-7.90	-5.82	-3.82	-2.00	-0.45	.74	1.50	1.72	1.32	.21
49.5	-5.70	-6.06	-6.37	-6.63	-6.86	-7.05	-7.21	-7.35	-7.48	-7.59	-7.70	-7.81	-7.92	-8.05	-8.19	-8.35	-8.54	-8.77	-9.03	-9.34
49.0	-12.20	-14.54	-16.00	-16.69	-16.69	-16.12	-15.06	-13.61	-11.87	-9.93	-7.90	-5.87	-3.93	-2.19	-0.74	.32	.89	.89	.20	-1.26
48.5	-8.70	-9.46	-10.26	-11.09	-11.94	-12.82	-13.71	-14.62	-15.54	-16.47	-17.40	-18.33	-19.26	-20.18	-21.09	-21.98	-22.86	-23.71	-24.54	-25.34
48.0	-1.90	-.87	-.36	-.32	-.69	-1.41	-2.42	-3.66	-5.08	-6.61	-8.20	-9.79	-11.32	-12.74	-13.98	-14.99	-15.71	-16.08	-16.04	-15.53
47.5	-9.30	-9.36	-9.45	-9.56	-9.69	-9.83	-9.99	-10.16	-10.33	-10.52	-10.70	-10.88	-11.07	-11.24	-11.41	-11.57	-11.71	-11.84	-11.95	-12.04
47.0	-3.70	-4.43	-4.89	-5.12	-5.13	-4.97	-4.65	-4.22	-3.70	-3.11	-2.50	-1.89	-1.30	-.78	-.35	-.03	.13	.12	-.11	-.57
46.5	-10.20	-10.85	-11.21	-11.33	-11.23	-10.94	-10.50	-9.93	-9.27	-8.55	-7.80	-7.05	-6.33	-5.67	-5.10	-4.66	-4.37	-4.27	-4.39	-4.75
46.0	-8.90	-9.46	-9.99	-10.50	-10.98	-11.45	-11.90	-12.34	-12.76	-13.18	-13.60	-14.02	-14.44	-14.86	-15.30	-15.75	-16.22	-16.70	-17.21	-17.74
45.5	-.80	-.19	.11	.12	-.11	.55	1.17	1.93	2.80	3.73	4.70	5.67	6.60	7.47	8.23	8.85	9.29	9.52	9.51	9.21
45.0	-7.00	-6.54	-6.34	-6.38	-6.61	-7.01	-7.56	-8.22	-8.96	-9.77	-10.60	-11.43	-12.24	-12.98	-13.64	-14.19	-14.59	-14.82	-14.85	14.66
44.5	-9.20	-10.79	-11.89	-12.54	-12.81	-12.75	-12.41	-11.85	-11.12	-10.29	-9.40	-8.51	-7.68	-6.95	-6.39	-6.05	-5.99	-6.26	-6.91	-8.01
44.0	-2.10	-.34	.75	1.24	1.21	.74	-.10	-1.24	-2.60	-4.11	-5.70	-7.29	-8.80	-10.16	-11.30	-12.14	-12.61	-12.64	-12.15	-11.06
43.5	-5.00	-5.28	-5.73	-6.31	-7.02	-7.84	-8.75	-9.72	-10.75	-11.82	-12.90	-13.98	-15.05	-16.08	-17.05	-17.96	-18.78	-19.49	-20.07	-20.52
43.0	-1.90	-2.33	-3.01	-3.90	-4.99	-6.24	-7.63	-9.12	-10.70	-12.34	-14.00	-15.66	-17.30	-18.88	-20.37	-21.76	-23.01	-24.10	-24.99	-25.67
42.5	-9.60	-9.34	-9.26	-9.34	-9.56	-9.90	-10.34	-10.86	-11.43	-12.06	-12.70	-13.34	-13.96	-14.54	-15.06	-15.50	-15.84	-16.06	-16.14	-16.06
42.0	-8.80	-8.63	-8.74	-9.12	-9.71	-10.50	-11.45	-12.52	-13.70	-14.93	-16.20	-17.47	-18.70	-19.88	-20.95	-21.90	-22.69	-23.28	-23.66	-23.77
41.5	-3.70	-4.44	-5.17	-5.89	-6.61	-7.31	-8.02	-8.72	-9.41	-10.11	-10.80	-11.49	-12.19	-12.88	-13.58	-14.29	-14.99	-15.71	-16.43	-17.16
41.0	-13.60	-15.69	-17.09	-17.89	-18.16	-17.08	-17.42	-16.55	-15.46	-14.22	-12.90	-11.58	-10.34	-9.25	-8.38	-7.82	-7.64	-7.91	-8.71	-10.11
40.5	-6.60	-5.10	-4.40	-4.41	-5.03	-6.18	-7.77	-9.72	-11.93	-14.32	-16.80	-19.28	-21.67	-23.88	-25.83	-27.42	-28.57	-29.19	-29.20	-28.50
40.0	-5.10	-4.34	-4.08	-4.26	-4.83	-5.74	-6.92	-8.32	-9.89	-11.57	-13.30	-15.03	-16.71	-18.28	-19.68	-20.86	-21.77	-22.34	-22.52	-22.26
39.5	-2.80	-1.90	-1.69	-2.08	-3.00	-4.37	-6.12	-8.18	-10.46	-12.89	-15.40	-17.91	-20.34	-22.62	-24.68	-26.43	-27.80	-28.72	-29.11	-28.90
39.0	-9.50	-10.22	-10.74	-11.06	-11.21	-11.23	-11.12	-10.93	-10.66	-10.34	-10.00	-9.66	-9.34	-9.07	-8.87	-8.77	-8.79	-8.94	-9.26	-9.78
38.5	-3.20	-3.94	-4.71	-5.50	-6.31	-7.13	-7.97	-8.82	-9.67	-10.54	-11.40	-12.26	-13.13	-13.98	-14.83	-15.67	-16.49	-17.30	-18.09	-18.86
38.0	-7.00	-5.43	-4.43	-3.94	-3.89	-4.21	-4.85	-5.74	-6.82	-8.03	-9.30	-10.57	-11.78	-12.86	-13.75	-14.39	-14.71	-14.66	-14.17	-13.17
37.5	-3.00	-2.15	-1.87	-2.11	-2.80	-3.88	-5.28	-6.93	-8.78	-10.76	-12.80	-14.84	-16.82	-18.67	-20.32	-21.72	-22.80	-23.49	-23.73	-23.45
37.0	-4.90	-3.21	-2.18	-1.73	-1.80	-2.31	-3.19	-4.36	-5.75	-7.29	-8.90	-10.51	-12.05	-13.44	-14.61	-15.49	-16.00	-16.07	-15.62	-14.59
36.5	-2.70	-.26	1.09	1.46	.97	-.24	-2.06	-4.37	-7.04	-9.96	-13.00	-16.04	-18.96	-21.63	-23.94	-25.76	-26.97	-27.46	-27.09	-25.74
36.0	-6.80	-4.41	-2.79	-1.84	-1.49	-1.65	-2.23	-3.15	-4.32	-5.67	-7.10	-8.53	-9.88	-11.05	-11.97	-12.55	-12.71	-12.36	-11.41	-9.79
35.5	-5.10	-3.35	-2.30	-1.89	-2.02	-2.63	-3.63	-4.95	-6.50	-8.21	-10.00	-11.79	-13.50	-15.05	-16.37	-17.37	-17.98	-18.11	-17.70	-16.65
35.0	-6.50	-4.93	-4.04	-3.75	-3.98	-4.66	-5.72	-7.08	-8.66	-10.39	-12.20	-14.01	-15.74	-17.32	-18.68	-19.74	-20.42	-20.65	-20.36	-19.47
34.5	-3.40	-1.17	.06	.39	-.06	-1.17	-2.85	-4.97	-7.43	-10.11	-12.90	-15.69	-18.37	-20.83	-22.95	-24.63	-25.74	-26.19	-25.86	-24.63
34.0	-4.50	-3.54	-3.14	-3.25	-3.79	-4.72	-5.96	-7.45	-9.13	-10.93	-12.80	-14.67	-16.47	-18.15	-19.64	-20.88	-21.81	-22.35	-22.46	-22.06
33.5	-4.50	-2.49	-1.60	-1.71	-2.69	-4.42	-6.77	-9.62	-12.84	-16.31	-19.90	-23.49	-26.96	-30.18	-33.03	-35.38	-37.11	-38.09	-38.20	-37.31
33.0	-5.00	-3.89	-3.60	-4.03	-5.10	-6.72	-8.79	-11.23	-13.93	-16.82	-19.80	-22.78	-25.67	-28.37	-30.81	-32.88	-34.50	-35.57	-36.00	-35.42
32.5	-4.90	-2.18	-.76	-.50	-1.24	-2.84	-5.17	-8.07	-11.41	-15.03	-18.80	-22.57	-26.19	-29.53	-32.43	-34.76	-36.36	-37.10	-36.84	-35.71
32.0	-5.70	-5.35	-5.60	-6.38	-7.62	-9.26	-11.23	-13.47	-15.90	-18.47	-21.10	-23.73	-26.30	-28.73	-30.97	-32.94	-34.58	-35.82	-36.40	-36.85
31.5	-9.80	-10.64	-11.55	-12.53	-13.56	-14.65	-15.77	-16.92	-18.10	-19.30	-20.50	-21.70	-22.90	-24.08	-25.23	-26.35	-27.44	-28.47	-29.45	-30.36
31.0	-4.70	-5.57	-6.69	-8.04	-9.59	-11.32	-13.18	-15.16	-17.23	-19.35	-21.50	-23.65	-25.77	-27.84	-29.82	-31.68	-33.41	-34.96	-36.31	-37.43
30.5	-3.80	-4.58	-5.64	-6.96	-8.50	-10.23	-12.11	-14.12	-16.23	-18.40	-20.60	-22.80	-24.97	-27.08	-29.09	-30.97	-32.70	-34.24	-35.56	-36.62
30.0	-8.00	-9.61	-11.09	-12.46	-13.72	-14.90	-16.01	-17.06	-18.06	-19.04	-20.00	-20.96	-21.94	-22.94	-23.99	-25.10	-26.28	-27.54	-28.91	-30.39
29.5	-8.50	-11.01	-13.06	-14.72	-16.02	-17.03	-17.78	-18.34	-18.74	-19.05	-19.30	-19.55	-19.86	-20.26	-20.82	-21.57	-22.58	-23.88	-25.54	-27.59

ASPECT ANGLE

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6.50	-6.78	-7.38	-8.26	-9.38	-10.71	-12.22	-13.87	-15.62	-17.44	-19.30	-21.16	-22.98	-24.73	-26.38	-27.89	-29.22	-30.34	-31.22	-31.82
7.00	-8.29	-9.43	-10.42	-11.30	-12.07	-12.76	-13.38	-13.95	-14.48	-15.00	-15.52	-16.05	-16.62	-17.24	-17.93	-18.70	-19.58	-20.57	-21.71
7.50	-12.80	-14.12	-14.93	-15.30	-15.28	-14.95	-14.36	-13.58	-12.67	-11.70	-10.73	-9.82	-9.04	-8.45	-8.12	-8.10	-8.47	-9.28	-10.60
8.00	-12.61	-13.37	-13.64	-13.49	-12.97	-12.14	-11.07	-9.81	-8.44	-7.00	-5.56	-4.19	-2.93	-1.86	-1.03	-0.51	-0.36	-0.63	-1.39
8.50	-10.18	-11.00	-11.42	-11.48	-11.25	-10.76	-10.07	-9.23	-8.29	-7.30	-6.31	-5.37	-4.53	-3.84	-3.35	-3.12	-3.18	-3.60	-4.43
9.00	-9.44	-10.53	-11.22	-11.56	-11.59	-11.38	-10.96	-10.39	-9.72	-9.00	-8.28	-7.61	-7.04	-6.62	-6.41	-6.44	-6.78	-7.47	-8.56
9.50	-13.80	-15.47	-16.40	-16.68	-16.41	-15.69	-14.59	-13.21	-11.65	-10.00	-8.35	-6.79	-5.41	-4.31	-3.59	-3.32	-3.60	-4.53	-6.20
10.00	-14.32	-15.86	-16.69	-16.92	-16.62	-15.88	-14.79	-13.44	-11.91	-10.30	-8.69	-7.16	-5.81	-4.72	-3.98	-3.68	-3.91	-4.74	-6.98
10.50	-14.14	-15.86	-16.85	-17.24	-17.09	-16.52	-15.59	-14.41	-13.05	-11.60	-10.15	-8.79	-7.61	-6.68	-6.11	-5.96	-6.35	-7.34	-11.06
11.00	-12.81	-14.22	-15.01	-15.25	-15.02	-14.40	-13.48	-12.31	-11.00	-9.60	-8.20	-6.89	-5.72	-4.80	-4.18	-3.95	-4.19	-4.98	-6.39
11.50	-11.27	-12.43	-13.07	-13.24	-13.01	-12.45	-11.62	-10.59	-9.43	-8.20	-6.97	-5.81	-4.78	-3.95	-3.39	-3.16	-3.33	-3.97	-5.13
12.00	-12.25	-13.47	-14.06	-14.09	-13.64	-12.79	-11.62	-10.22	-8.65	-7.00	-5.35	-3.78	-2.38	-1.21	-0.36	0.09	0.06	0.53	-1.75
12.50	-16.72	-18.04	-18.48	-18.15	-17.15	-15.61	-13.62	-11.30	-8.75	-6.10	-3.45	-0.91	1.42	3.41	4.95	5.95	6.28	5.84	4.52
13.00	-16.94	-18.11	-18.42	-17.97	-16.88	-15.25	-13.19	-10.80	-8.21	-5.50	-2.79	-0.20	2.19	4.25	5.88	6.97	7.42	7.11	5.94
13.50	-16.51	-17.42	-17.53	-16.94	-15.75	-14.06	-11.97	-9.58	-6.99	-4.30	-1.61	0.98	3.37	5.46	7.15	8.34	8.93	8.82	7.91
14.00	-15.45	-16.19	-16.23	-15.65	-14.54	-12.98	-11.07	-8.90	-6.54	-4.10	-1.66	0.70	2.87	4.78	6.34	7.45	8.03	7.99	7.25
14.50	-15.02	-15.91	-16.06	-15.57	-14.52	-13.01	-11.13	-8.97	-6.63	-4.20	-1.77	0.57	2.73	4.61	6.12	7.17	7.66	7.51	6.62
15.00	-14.77	-15.79	-16.04	-15.63	-14.65	-13.19	-11.35	-9.22	-6.91	-4.50	-2.09	0.22	2.35	4.19	5.65	6.63	7.04	6.79	5.77
15.50	-14.34	-15.22	-15.42	-15.03	-14.14	-12.82	-11.16	-9.25	-7.17	-5.00	-2.83	-0.75	1.16	2.82	4.14	5.03	5.42	5.22	4.34
16.00	-13.92	-14.89	-15.19	-14.89	-14.10	-12.88	-11.33	-9.53	-7.56	-5.50	-3.44	-1.47	0.33	1.88	3.10	3.89	4.19	3.89	2.92
16.50	-13.48	-14.49	-14.81	-14.53	-13.75	-12.53	-10.97	-9.16	-7.17	-5.10	-3.03	-1.04	0.77	2.33	3.55	4.33	4.61	4.29	3.28
17.00	-12.41	-13.24	-13.46	-13.16	-12.41	-11.28	-9.85	-8.19	-6.38	-4.50	-2.62	-0.81	0.85	2.28	3.41	4.16	4.46	4.24	3.41
17.50	-11.64	-12.29	-12.40	-12.05	-11.30	-10.22	-8.87	-7.32	-5.65	-3.90	-2.15	-0.48	1.07	2.42	3.50	4.25	4.60	4.49	3.84
18.00	-11.39	-12.05	-12.16	-11.78	-10.99	-9.85	-8.43	-6.80	-5.04	-3.20	-1.36	0.40	2.03	3.45	4.59	5.38	5.76	5.65	4.99
18.50	-11.47	-12.09	-12.12	-11.65	-10.74	-9.47	-7.91	-6.13	-4.20	-2.20	-0.20	1.73	3.51	5.07	6.34	7.25	7.72	7.69	7.07
19.00	-14.74	-15.53	-15.55	-14.90	-13.67	-11.97	-9.89	-7.52	-4.96	-2.30	0.36	2.92	5.29	7.37	9.07	10.30	10.95	10.93	10.14
19.50	-15.36	-16.20	-16.22	-15.53	-14.23	-12.42	-10.20	-7.67	-4.93	-2.10	0.73	3.47	6.00	8.22	10.03	11.33	12.02	12.00	11.16
20.00	-14.82	-15.57	-15.54	-14.84	-13.56	-11.79	-9.63	-7.18	-4.54	-1.80	0.94	3.58	6.03	8.19	9.96	11.24	11.94	11.97	11.22
20.50	-14.11	-14.81	-14.78	-14.13	-12.93	-11.29	-9.28	-7.00	-4.55	-2.00	0.55	3.00	5.28	7.29	8.93	10.13	10.78	10.81	10.11
21.00	-13.64	-14.31	-14.29	-13.67	-12.53	-10.96	-9.05	-6.88	-4.53	-2.10	0.33	2.68	4.85	6.76	8.33	9.47	10.09	10.11	9.44
21.50	-13.21	-13.88	-13.88	-13.29	-12.21	-10.71	-8.87	-6.79	-4.53	-2.20	0.13	2.39	4.47	6.31	7.81	8.89	9.48	9.48	8.81
22.00	-13.57	-14.28	-14.30	-13.72	-12.63	-11.12	-9.26	-7.15	-4.87	-2.50	-0.13	2.15	4.26	6.12	7.63	8.72	9.30	9.28	8.57
22.50	-12.96	-13.64	-13.73	-13.28	-12.39	-11.12	-9.55	-7.76	-5.82	-3.80	-1.78	1.16	3.52	5.32	6.79	7.68	8.13	8.04	7.36
23.00	-12.55	-13.19	-13.30	-12.93	-12.16	-11.05	-9.68	-8.10	-6.38	-4.60	-2.82	1.10	3.48	5.15	6.52	7.33	7.63	7.40	6.73
23.50	-13.11	-13.81	-13.96	-13.64	-12.91	-11.84	-10.49	-8.94	-7.25	-5.50	-3.75	2.06	4.51	6.18	7.51	8.26	8.56	8.31	7.63
24.00	-13.61	-14.38	-14.59	-14.27	-13.58	-12.51	-11.16	-9.59	-7.88	-6.10	-4.32	2.61	5.04	6.71	8.00	8.72	9.00	8.72	8.04
24.50	-13.23	-14.03	-14.27	-14.02	-13.36	-12.34	-11.05	-9.55	-7.91	-6.20	-4.49	2.85	5.35	7.02	8.33	9.07	9.30	9.07	8.39
25.00	-13.73	-14.59	-14.83	-14.54	-13.80	-12.67	-11.25	-9.59	-7.78	-5.90	-4.02	2.21	4.68	6.35	7.68	8.41	8.68	8.41	7.73
25.50	-14.78	-15.68	-15.89	-15.49	-14.57	-13.22	-11.51	-9.55	-7.42	-5.20	-2.98	1.85	4.11	5.82	7.15	7.93	8.13	7.85	7.17
26.00	-14.19	-15.12	-15.38	-15.05	-14.21	-12.96	-11.36	-9.51	-7.50	-5.40	-3.30	1.29	3.56	5.25	6.58	7.33	7.58	7.30	6.62
26.50	-14.88	-15.88	-16.16	-15.83	-14.97	-13.66	-12.00	-10.08	-7.99	-5.80	-3.61	1.52	3.81	5.50	6.83	7.58	7.83	7.55	6.87
27.00	-14.65	-15.64	-15.97	-15.72	-14.96	-13.79	-12.29	-10.53	-8.61	-6.60	-4.59	2.67	4.91	6.60	7.93	8.68	8.93	8.65	7.97

INSECT

BISTATIC ANGLE

INSECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1	12.00	-13.69	-14.73	-15.20	-15.16	-14.70	-13.87	-12.75	-11.42	-9.95	8.40	6.85	-5.38	4.05	-2.93	-2.10	-1.64	-1.60	-2.07	-3.11
2	11.10	-12.65	-13.65	-14.16	-14.26	-13.99	-13.41	-12.60	-11.60	-10.48	-9.30	-8.12	-7.00	-6.00	-5.19	-4.61	-4.34	-4.44	-4.95	-5.95
3	10.90	-12.44	-13.48	-14.06	-14.26	-14.11	-13.69	-13.04	-12.22	-11.29	-10.30	-9.31	-8.38	-7.56	-6.91	-6.49	-6.34	-6.54	-7.12	-8.16
4	10.00	-12.62	-13.75	-14.46	-14.79	-14.80	-14.54	-14.07	-13.43	-12.69	-11.90	-11.11	-10.37	-9.73	-9.26	-9.00	-9.01	-9.34	-10.05	-11.18
5	11.00	-12.58	-13.74	-14.52	-14.97	-15.14	-15.07	-14.82	-14.42	-13.94	-13.40	-12.86	-12.38	-11.98	-11.73	-11.66	-11.83	-12.28	-13.06	-14.22
6	10.70	-12.15	-13.21	-13.92	-14.33	-14.47	-14.40	-14.15	-13.77	-13.31	-12.80	-12.29	-11.83	-11.45	-11.20	-11.13	-11.27	-11.68	-12.39	-13.45
7	9.80	-11.01	-11.91	-12.53	-12.91	-13.07	-13.07	-12.92	-12.67	-12.35	-12.00	-11.65	-11.33	-11.08	-10.93	-10.93	-11.10	-11.47	-12.09	-12.99
8	9.40	-10.34	-11.04	-11.53	-11.84	-11.99	-12.01	-11.92	-11.76	-11.54	-11.30	-11.06	-10.84	-10.68	-10.59	-10.61	-10.76	-11.07	-11.56	-12.26
9	9.50	-10.33	-11.00	-11.26	-11.43	-11.42	-11.28	-11.04	-10.70	-10.32	-9.90	-9.48	-9.10	-8.76	-8.52	-8.38	-8.37	-8.54	-8.90	-9.47
10	10.10	-10.88	-11.36	-11.58	-11.56	-11.34	-10.95	-10.43	-9.81	-9.12	-8.40	-7.68	-6.99	-6.37	-5.85	-5.46	-5.24	-5.22	-5.44	-5.92
11	10.80	-11.62	-12.12	-12.33	-12.29	-12.04	-11.60	-11.03	-10.35	-9.59	-8.80	-8.01	-7.25	-6.57	-6.00	-5.56	-5.31	-5.27	-5.48	-5.98
12	12.10	-13.20	-13.90	-14.24	-14.26	-14.02	-13.54	-12.89	-12.10	-11.22	-10.30	-9.38	-8.50	-7.71	-7.06	-6.58	-6.34	-6.36	-6.70	-7.40
13	12.40	-13.80	-14.74	-15.28	-15.47	-15.36	-14.99	-14.42	-13.70	-12.87	-12.00	-11.13	-10.30	-9.58	-9.01	-8.64	-8.53	-8.72	-9.26	-10.20
14	12.00	-13.49	-14.53	-15.18	-15.48	-15.48	-15.24	-14.80	-14.22	-13.53	-12.80	-12.07	-11.38	-10.80	-10.36	-10.12	-10.12	-10.42	-11.07	-12.11
15	11.30	-12.68	-13.66	-14.30	-14.63	-14.69	-14.54	-14.21	-13.74	-13.19	-12.60	-12.01	-11.46	-10.99	-10.66	-10.51	-10.57	-10.90	-11.54	-12.52
16	11.50	-12.78	-13.73	-14.41	-14.84	-15.06	-15.10	-15.00	-14.79	-14.51	-14.20	-13.89	-13.61	-13.40	-13.34	-13.34	-13.56	-13.99	-14.67	-15.62
17	13.30	-14.80	-15.91	-16.68	-17.15	-17.37	-17.37	-17.20	-16.91	-16.52	-16.10	-15.68	-15.29	-15.00	-14.83	-14.83	-15.05	-15.52	-16.29	-17.40
18	13.80	-15.41	-16.61	-17.45	-17.96	-18.20	-18.22	-18.05	-17.74	-17.34	-16.90	-16.46	-16.06	-15.75	-15.58	-15.60	-15.84	-16.35	-17.19	-18.39
19	11.40	-12.92	-14.13	-15.08	-15.79	-16.30	-16.64	-16.85	-16.95	-16.99	-17.00	-17.01	-17.05	-17.15	-17.36	-17.70	-18.21	-18.92	-19.87	-21.08
20	9.00	-10.13	-11.03	-11.74	-12.26	-12.63	-12.88	-13.02	-13.09	-13.11	-13.10	-13.09	-13.11	-13.18	-13.32	-13.57	-13.94	-14.46	-15.17	-16.07
21	8.00	-9.20	-10.36	-11.48	-12.56	-13.61	-14.64	-15.65	-16.64	-17.62	-18.60	-19.58	-20.56	-21.55	-22.56	-23.59	-24.64	-25.72	-26.84	-28.00
22	9.10	-10.14	-10.93	-11.52	-11.92	-12.16	-12.26	-12.27	-12.19	-12.06	-11.90	-11.74	-11.61	-11.53	-11.54	-11.64	-11.88	-12.28	-12.87	-13.66
23	11.20	-12.44	-13.21	-13.57	-13.57	-13.26	-12.70	-12.11	-11.93	-11.91	-9.98	-8.90	-7.82	-6.79	-5.87	-5.10	-4.54	-4.23	-4.59	-5.36
24	9.50	-10.55	-11.37	-11.98	-12.40	-12.67	-12.82	-12.85	-12.81	-12.72	-12.60	-12.48	-12.39	-12.35	-12.38	-12.53	-12.80	-13.22	-13.83	-14.65
25	9.60	-10.73	-11.56	-12.11	-12.41	-12.51	-12.43	-12.22	-11.91	-11.52	-11.10	-10.68	-10.29	-9.98	-9.77	-9.69	-9.79	-10.09	-10.64	-11.47
26	8.60	-9.65	-10.34	-10.72	-10.83	-10.70	-10.37	-9.89	-9.29	-8.62	-7.90	-7.18	-6.51	-5.91	-5.43	-5.10	-4.97	-5.08	-5.46	-6.15
27	6.20	-6.85	-7.26	-7.47	-7.49	-7.36	-7.11	-6.75	-6.31	-5.82	-5.30	-4.78	-4.29	-3.85	-3.49	-3.24	-3.11	-3.13	-3.34	-3.75
28	6.60	-6.60	-6.97	-7.60	-7.88	-8.13	-8.37	-8.59	-8.80	-9.00	-9.20	-9.40	-9.60	-9.81	-10.03	-10.27	-10.52	-10.80	-11.10	-11.43
29	6.50	-6.68	-6.89	-7.22	-7.64	-8.15	-8.74	-9.38	-10.06	-10.77	-11.50	-12.23	-12.94	-13.62	-14.26	-14.85	-15.36	-15.78	-16.11	-16.32
30	7.0	-6.30	-7.14	-8.69	-9.42	-10.11	-10.78	-11.43	-12.06	-12.68	-13.30	-13.92	-14.54	-15.17	-15.82	-16.49	-17.18	-17.91	-18.66	-19.46
31	6.80	-7.57	-8.09	-8.40	-8.52	-8.48	-8.30	-8.02	-7.66	-7.24	-6.80	-6.36	-5.94	-5.58	-5.30	-5.12	-5.08	-5.20	-5.51	-6.03
32	5.0	-5.50	-6.30	-7.09	-7.88	-8.48	-9.04	-9.69	-10.39	-11.06	-11.76	-12.43	-13.10	-13.76	-14.43	-15.10	-15.76	-16.43	-17.10	-17.77
33	4.50	-4.95	-5.54	-6.28	-7.13	-8.09	-9.13	-10.24	-11.40	-12.59	-13.80	-15.01	-16.20	-17.36	-18.47	-19.51	-20.47	-21.32	-22.06	-22.65
34	4.0	-6.60	-7.44	-8.98	-9.69	-10.37	-11.03	-11.66	-12.28	-12.89	-13.50	-14.11	-14.72	-15.34	-15.97	-16.63	-17.31	-18.02	-18.77	-19.56
35	3.5	-3.10	-3.44	-4.30	-4.81	-5.36	-5.95	-6.56	-7.20	-7.84	-8.50	-9.16	-9.80	-10.44	-11.05	-11.64	-12.19	-12.70	-13.15	-13.56
36	3.0	-2.20	-2.23	-2.80	-3.68	-4.82	-6.19	-7.74	-9.42	-11.19	-13.00	-14.81	-16.58	-18.26	-19.81	-21.18	-22.32	-23.20	-23.77	-23.99
37	3.5	-5.68	-6.25	-6.99	-7.87	-8.87	-9.97	-11.16	-12.40	-13.69	-15.00	-16.31	-17.60	-18.84	-20.03	-21.13	-22.13	-23.01	-23.75	-24.32
38	11.0	-4.20	-4.56	-5.36	-5.80	-6.25	-6.72	-7.20	-7.70	-8.20	-8.70	-9.20	-9.70	-10.20	-10.68	-11.15	-11.60	-12.04	-12.45	-12.84
39	11.5	-3.30	-3.27	-3.67	-4.07	-4.58	-5.17	-5.84	-6.56	-7.32	-8.10	-8.88	-9.64	-10.36	-11.03	-11.62	-12.13	-12.53	-12.80	-12.93
40	12.0	-3.10	-2.59	-2.42	-2.94	-3.56	-4.36	-5.32	-6.38	-7.52	-8.70	-9.88	-11.02	-12.08	-13.04	-13.84	-14.46	-14.85	-14.98	-14.81
41	12.5	-3.70	-2.96	-3.01	-3.31	-3.81	-4.48	-5.29	-6.21	-7.19	-8.20	-9.21	-10.19	-11.11	-11.92	-12.59	-13.09	-13.44	-13.59	-13.22
42	13.0	-1.80	-1.63	-2.04	-2.57	-3.27	-4.12	-5.09	-6.14	-7.26	-8.40	-9.54	-10.66	-11.71	-12.68	-13.53	-14.23	-14.76	-15.08	-15.17
43	13.5	-1.90	-1.99	-3.39	-4.61	-6.11	-7.84	-9.77	-11.83	-13.99	-16.20	-18.41	-20.57	-22.63	-24.56	-26.29	-27.79	-29.01	-29.90	-30.41

ASPECT

INSTANTIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10	-3.80	-2.37	-1.53	-1.22	-1.35	-1.88	2.73	-3.85	-5.16	-6.60	-8.10	-9.60	-11.04	-12.35	-13.47	-14.32	-14.85	-14.98	-14.67	-13.83
15	-5.00	-4.97	-5.28	-5.90	-6.79	-7.91	-9.21	-10.68	-12.25	-13.91	-15.60	-17.29	-18.95	-20.52	-21.99	-23.29	-24.41	-25.30	-25.92	-26.23
20	-6.10	-5.71	-5.45	-5.31	-5.28	-5.33	-5.46	-5.64	-5.87	-6.13	-6.40	-6.67	-6.93	-7.16	-7.34	-7.47	-7.52	-7.49	-7.35	-7.09
25	-3.40	-2.20	-1.54	-1.36	-1.61	-2.22	-3.13	-4.29	-5.62	-7.08	-8.60	-10.12	-11.58	-12.91	-14.07	-14.98	-15.59	-15.84	-15.66	-15.00
30	-3.50	-3.38	-3.69	-4.37	-5.39	-6.69	-8.23	-9.96	-11.82	-13.79	-15.80	-17.81	-19.78	-21.64	-23.37	-24.91	-26.21	-27.23	-27.91	-28.22
35	-4.60	-2.20	-0.60	27	52	22	-52	-52	-3.00	-4.56	-6.20	-7.84	-9.40	-10.77	-11.88	-12.62	-12.92	-12.67	-11.80	-10.20
40	-3.20	-1.55	-0.67	-48	-90	-1.83	-3.18	-4.89	-6.85	-8.98	-11.20	-13.42	-15.55	-17.51	-19.22	-20.57	-21.50	-21.92	-21.73	-20.85
45	-6.70	-5.10	-3.99	-3.31	-3.01	-3.03	-3.32	-3.83	-4.49	-5.27	-6.10	-6.93	-7.71	-8.37	-8.88	-9.17	-9.19	-8.89	-8.21	-7.10
50	-5.60	-3.25	-1.81	-1.19	-1.27	-1.97	-3.16	-4.77	-6.68	-8.79	-11.00	-13.21	-15.32	-17.23	-18.84	-20.03	-20.73	-20.81	-20.19	-18.75
55	-2.60	-1.90	-1.60	-1.66	-2.04	-2.68	-3.56	-4.61	-5.80	-7.08	-8.40	-9.72	-11.00	-12.19	-13.24	-14.12	-14.76	-15.14	-15.20	-14.90
60	-6.90	-7.68	-8.26	-8.67	-8.93	-9.06	-9.08	-9.01	-8.88	-8.70	-8.50	-8.30	-8.12	-7.99	-7.92	-7.94	-8.07	-8.33	-8.74	-9.32
65	-6.30	-5.19	-4.36	-3.77	-3.39	-3.20	-3.15	-3.23	-3.41	-3.64	-3.90	-4.16	-4.39	-4.57	-4.65	-4.60	-4.41	-4.03	-3.44	-2.61
70	-4.70	-3.32	-2.72	-2.82	-3.53	-4.76	-6.43	-8.44	-10.71	-13.16	-15.70	-18.24	-20.69	-22.96	-24.97	-26.64	-27.87	-28.58	-28.68	-28.08
75	-12.30	-9.67	-7.72	-6.39	-5.58	-5.24	-5.27	-5.61	-6.18	-6.90	-7.70	-8.50	-9.22	-9.79	-10.13	-10.16	-9.82	-9.01	-7.68	-5.73
80	-21.0	-4.80	-3.70	-3.16	-3.52	-4.30	-5.38	-6.72	-8.24	-9.89	-11.60	-13.31	-14.96	-16.48	-17.82	-18.90	-19.68	-20.08	-20.04	-19.50
85	-10.70	-9.69	-8.84	-8.12	-7.53	-7.03	-6.62	-6.28	-5.99	-5.74	-5.50	-5.26	-5.01	-4.72	-4.38	-3.97	-3.47	-2.88	-2.16	-1.31
90	-22.0	-5.83	-4.82	-4.20	-3.94	-3.97	-4.26	-4.74	-5.38	-6.11	-6.90	-7.69	-8.42	-9.06	-9.54	-9.83	-9.86	-9.60	-8.98	-7.97
95	-4.40	-3.44	-2.83	-2.52	-2.48	-2.67	-3.05	-3.58	-4.22	-4.94	-5.70	-6.46	-7.18	-7.82	-8.35	-8.73	-8.92	-8.88	-8.57	-7.96
100	-3.80	-1.60	-1.10	77	108	92	37	-50	1.60	2.86	4.20	5.54	6.80	7.90	8.77	9.32	9.48	9.17	8.30	-6.80
105	-8.40	-8.94	-9.34	-9.62	-9.79	-9.88	-9.90	-9.85	-9.76	-9.64	-9.50	-9.36	-9.24	-9.15	-9.10	-9.12	-9.21	-9.38	-9.66	-10.06
110	-7.20	-8.34	-9.22	-9.87	-10.31	-10.58	-10.70	-10.70	-10.61	-10.47	-10.30	-10.13	-9.99	-9.90	-9.90	-10.02	-10.29	-10.73	-11.38	-12.26
115	-60	50	95	82	18	-89	-2.32	-4.03	-5.97	-8.05	-10.20	-12.35	-14.43	-16.37	-18.08	-19.51	-20.58	-21.22	-21.35	-20.90
120	-9.80	-7.18	-5.14	-3.61	-2.52	1.82	1.43	-1.30	-1.36	-1.55	-1.80	-2.05	-2.24	-2.30	-2.17	-1.78	-1.08	0.01	1.54	3.58
125	-8.60	-9.53	-9.94	-9.91	-9.48	8.72	7.67	-6.40	4.96	6.31	7.60	8.81	9.91	10.91	11.88	12.71	13.40	13.85	14.08	14.21
130	-3.50	-3.92	-4.48	-5.15	-5.93	-6.81	-7.75	-8.76	-9.82	-10.90	-12.00	-13.10	-14.18	-15.24	-16.25	-17.19	-18.07	-18.85	-19.52	-20.08
135	-8.90	-9.75	-10.28	-10.54	-10.56	10.37	-10.00	-9.50	-8.89	-8.21	-7.50	-6.79	-6.11	-5.50	-5.00	-4.63	-4.44	-4.46	-4.72	-5.25
140	-11.50	-10.57	-9.80	-9.18	-8.69	-8.31	-8.02	-7.80	-7.64	-7.51	-7.40	-7.29	-7.16	-7.00	-6.78	-6.49	-6.11	-5.62	-5.00	-4.23
145	-13.80	-15.61	-16.76	-17.33	-17.38	-16.99	-16.23	-15.18	-13.91	-12.49	-11.00	-9.51	-8.09	-6.82	-5.77	-5.01	-4.62	-4.67	-5.24	-6.39
150	-4.90	-4.70	-4.61	-4.62	-4.70	-4.86	-5.08	-5.34	-5.64	-5.96	-6.30	-6.64	-6.96	-7.26	-7.52	-7.74	-7.90	-7.98	-7.99	-7.90
155	-9.60	-9.42	-9.34	-9.35	-9.45	-9.62	-9.84	-10.12	-10.43	-10.76	-11.10	-11.44	-11.77	-12.08	-12.36	-12.58	-12.75	-12.85	-12.86	-12.78
160	-11.40	-14.01	-15.92	-17.19	-17.92	-18.17	-18.03	-18.03	-18.88	-19.63	-20.30	-20.87	-21.32	-21.63	-21.77	-21.83	-21.83	-21.83	-21.83	-21.83
165	-10.90	-11.49	-12.01	-12.44	-12.82	-13.13	-13.40	-13.63	-13.84	-14.02	-14.20	-14.38	-14.56	-14.73	-14.87	-14.96	-15.00	-15.00	-15.00	-15.00
170	-1.70	-1.21	-1.07	-1.26	-1.73	-2.44	-3.35	-4.42	-5.62	-6.89	-8.20	-9.51	-10.78	-11.98	-13.05	-13.96	-14.67	-15.14	-15.33	-15.19
175	1.80	3.41	4.17	4.17	3.49	2.25	53	1.57	3.95	6.53	9.20	11.87	14.45	16.83	18.93	20.65	21.89	22.57	22.57	21.81
180	-1.80	-7.82	-7.19	-6.88	-6.84	-7.04	-7.43	-7.99	-8.66	-9.41	-10.20	-10.99	-11.74	-12.41	-12.97	-13.36	-13.56	-13.52	-13.21	-12.58
185	-13.08	-13.08	-13.85	-14.23	-14.29	-14.07	-13.62	-12.98	-12.20	-11.32	-10.40	-9.48	-8.60	-7.82	-7.18	-6.73	-6.51	-6.57	-6.95	-7.72
190	-11.90	-8.64	-7.46	-6.42	-5.53	-4.75	-4.06	-3.45	-2.90	-2.39	-1.90	-1.41	-0.90	-0.35	26	95	1.73	2.62	3.66	4.84
195	-5.80	-3.69	-2.64	-2.53	-3.25	-4.68	-6.70	-9.18	-12.03	-15.10	-18.30	-21.50	-24.57	-27.42	-29.90	-31.92	-33.35	-34.07	-33.96	-32.91
200	-3.90	-4.26	-4.77	-5.40	-6.16	-7.02	-7.95	-8.96	-10.01	-11.10	-12.20	-13.30	-14.39	-15.44	-16.45	-17.38	-18.24	-19.00	-19.63	-20.14
205	-7.70	-9.68	-10.94	-11.57	-11.65	-11.25	-10.45	-9.34	-7.99	-6.49	-4.90	-3.31	-1.81	-0.46	65	1.45	1.85	1.77	1.14	-12
210	-10.90	-12.06	-12.68	-12.82	-12.54	-11.90	-10.96	-9.78	-8.42	-6.94	-5.40	-3.86	-2.38	-1.02	16	1.10	1.74	2.02	1.88	1.26
215	-4.90	-5.12	-5.43	-5.80	-6.23	-6.71	-7.24	-7.80	-8.38	-8.99	-9.60	-10.21	-10.82	-11.40	-11.96	-12.49	-12.97	-13.40	-13.77	-14.08

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
35.5	-8.30	-7.67	-7.34	-7.29	-7.48	-7.87	-8.43	-9.13	9.93	-10.80	-11.70	-12.60	-13.47	-14.27	-14.97	-15.53	-15.92	-16.11	-16.06	-15.73
36.0	-10.60	-12.06	-13.04	-13.58	-13.75	-13.59	-13.15	-12.50	-11.69	-10.77	-9.80	-8.83	-7.91	-7.10	-6.45	-6.01	-5.85	-6.02	-6.56	-7.54
36.5	-5.10	-5.65	-6.41	-7.33	-8.41	-9.63	-10.95	-12.36	-13.84	-15.36	-16.90	-18.44	-19.96	-21.44	-22.85	-24.17	-25.39	-26.47	-27.39	-28.15
37.0	-1.30	-1.17	-1.43	-2.04	-2.96	-4.15	-5.56	-7.14	-8.85	-10.65	-12.50	-14.35	-16.15	-17.86	-19.44	-20.85	-22.04	-22.96	-23.57	-23.83
37.5	-8.80	-9.38	-9.85	-10.23	-10.54	-10.77	-10.94	-11.07	-11.17	-11.24	-11.30	-11.36	-11.43	-11.53	-11.66	-11.83	-12.06	-12.37	-12.75	-13.22
38.0	14.90	-17.62	-19.42	-20.42	-20.70	-20.38	-19.55	-18.32	-16.78	-15.94	-13.20	-11.36	-9.62	-8.08	-6.85	-6.02	-5.70	-5.98	-6.98	-8.78
38.5	-1.50	-1.40	-1.40	-1.48	-1.72	-2.09	-2.58	-3.15	-3.80	-4.49	-5.20	-5.91	-6.60	-7.25	-7.82	-8.31	-8.68	-8.92	-9.00	-8.90
39.0	-11.70	-12.52	-12.98	-13.11	-12.96	-12.55	-11.95	-11.18	-10.29	-9.31	-8.30	-7.29	-6.31	-5.42	-4.65	-4.05	-3.64	-3.49	-3.62	-4.07
39.5	-18.80	-19.12	-19.38	-19.58	-19.73	-19.84	-19.91	-19.96	-19.98	-20.00	-20.00	-20.00	-20.02	-20.04	-20.09	-20.16	-20.27	-20.42	-20.62	-20.88
40.0	-8.30	-9.67	-10.86	-11.90	-12.80	-13.58	-14.26	-14.87	-15.41	-15.91	-16.40	-16.89	-17.39	-17.93	-18.54	-19.22	-20.00	-20.90	-21.94	-23.13
40.5	-9.60	-10.67	-11.69	-12.65	-13.58	-14.47	-15.33	-16.17	-16.99	-17.80	-18.60	-19.40	-20.21	-21.03	-21.87	-22.73	-23.62	-24.55	-25.51	-26.51
41.0	-4.20	-3.91	-3.84	-3.97	-4.27	-4.72	-5.29	-5.95	-6.70	-7.49	-8.30	-9.11	-9.90	-10.65	-11.31	-11.88	-12.33	-12.63	-12.76	-12.69
41.5	-5.00	-4.20	-3.89	-4.03	-4.55	-5.40	-6.53	-7.88	-9.40	-11.02	-12.70	-14.38	-16.00	-17.52	-18.87	-20.00	-20.85	-21.37	-21.51	-21.20
42.0	-18.30	-20.48	-21.84	-22.46	-22.43	-21.85	-20.81	-19.41	-17.72	-15.86	-13.90	-11.94	-10.08	-8.39	-6.99	-5.95	-5.37	-5.34	-5.96	-7.32
42.5	-16.80	-18.20	-18.94	-19.11	-18.76	-17.98	-16.84	-15.41	-13.76	-11.97	-10.10	-8.23	-6.44	-4.79	-3.36	-2.22	-1.44	-1.09	-1.26	-2.00
43.0	-12.20	-12.64	-12.95	-13.12	-13.18	-13.15	-13.03	-12.86	-12.63	-12.37	-12.10	-11.83	-11.57	-11.34	-11.17	-11.05	-11.02	-11.08	-11.25	-11.56
43.5	-11.10	-11.87	-12.37	-12.63	-12.68	-12.54	-12.25	-11.85	-11.35	-10.79	-10.20	-9.61	-9.05	-8.55	-8.15	-7.86	-7.72	-7.77	-8.03	-8.53
44.0	-11.80	-12.20	-12.54	-12.82	-13.04	-13.22	-13.36	-13.47	-13.56	-13.63	-13.70	-13.77	-13.84	-13.93	-14.04	-14.18	-14.36	-14.58	-14.86	-15.20
44.5	-4.40	-4.42	-4.47	-4.55	-4.66	-4.78	-4.92	-5.08	-5.25	-5.42	-5.60	-5.78	-5.95	-6.12	-6.28	-6.42	-6.54	-6.65	-6.73	-6.78
45.0	-6.50	-7.29	-8.04	-8.76	-9.45	-10.11	-10.75	-11.38	-11.99	-12.60	-13.20	-13.80	-14.41	-15.02	-15.65	-16.29	-16.95	-17.64	-18.36	-19.11
45.5	-11.80	-12.26	-12.52	-12.61	-12.55	-12.35	-12.05	-11.67	-11.21	-10.72	-10.20	-9.68	-9.19	-8.73	-8.35	-8.05	-7.85	-7.79	-7.88	-8.14
46.0	-12.40	-11.08	-10.16	-9.60	-9.36	-9.39	-9.64	-10.07	-10.64	-11.30	-12.00	-12.70	-13.36	-13.93	-14.36	-14.61	-14.64	-14.40	-13.84	-12.92
46.5	-8.30	-7.83	-7.69	-7.84	-8.26	-8.89	-9.71	-10.68	-11.76	-12.91	-14.10	-15.29	-16.44	-17.52	-18.49	-19.31	-19.95	-20.36	-20.51	-20.37
47.0	-2.00	1.61	3.82	4.81	4.71	3.69	1.90	-5.1	-3.38	-6.56	-9.90	-13.23	-16.42	-19.29	-21.70	-23.49	-24.51	-24.61	-23.62	-21.41
47.5	-12.40	-13.00	-13.25	-13.19	-12.84	-12.27	-11.49	-10.55	-9.50	-8.37	-7.20	-6.03	-4.90	-3.85	-2.91	-2.13	-1.56	-1.21	-1.15	-1.40
48.0	-7.30	-9.53	-11.40	-12.96	-14.24	-15.28	-16.12	-16.81	-17.37	-17.85	-18.30	-18.75	-19.23	-19.79	-20.48	-21.32	-22.36	-23.64	-25.20	-27.07
48.5	-7.30	-6.72	-6.66	-7.07	-7.88	-9.03	-10.48	-12.16	-14.01	-15.98	-18.00	-20.02	-21.99	-23.84	-25.52	-26.97	-28.12	-28.93	-29.34	-29.28
49.0	-2.00	-1.0	1.08	1.62	1.59	1.08	-1.7	-1.07	-2.55	-4.18	-5.90	-7.62	-9.25	-10.73	-11.97	-12.88	-13.39	-13.42	-12.88	-11.70
49.5	-4.70	-4.22	-3.86	-3.62	-3.48	-3.42	-3.43	-3.50	-3.61	-3.75	-3.90	-4.05	-4.19	-4.30	-4.37	-4.38	-4.32	-4.18	-3.94	-3.58
50.0	-6.00	-6.89	-7.68	-8.40	-9.03	-9.61	-10.13	-10.61	-11.06	-11.48	-11.90	-12.32	-12.74	-13.19	-13.67	-14.19	-14.77	-15.40	-16.12	-16.91
50.5	-15.40	-15.48	-15.37	-15.11	-14.70	-14.17	-13.53	-12.82	-12.05	-11.23	-10.40	-9.57	-8.75	-7.98	-7.27	-6.63	-6.10	-5.70	-5.43	-5.32
51.0	-3.00	-2.42	-2.50	-3.10	-4.32	-5.92	-7.88	-10.13	-12.60	-15.21	-17.90	-20.59	-23.20	-25.67	-27.92	-29.88	-31.48	-32.64	-33.30	-33.38
51.5	-9.80	-10.43	-10.85	-11.08	-11.13	-11.05	-10.84	-10.54	-10.17	-9.75	-9.30	-8.85	-8.43	-8.06	-7.76	-7.55	-7.47	-7.52	-7.75	-8.17
52.0	-11.50	-12.67	-13.48	-13.98	-14.20	-14.18	-13.96	-13.58	-13.09	-12.51	-11.90	-11.29	-10.71	-10.22	-9.84	-9.62	-9.60	-9.82	-10.32	-11.13
52.5	-4.90	-6.06	-7.18	-8.27	-9.33	-10.37	-11.38	-12.37	-13.36	-14.33	-15.30	-16.27	-17.24	-18.23	-19.22	-20.23	-21.27	-22.33	-23.42	-24.54
53.0	-7.80	-8.70	-9.31	-9.67	-9.80	-9.74	-9.53	-9.18	-8.74	-8.24	-7.70	-7.16	-6.66	-6.22	-5.87	-5.66	-5.60	-5.73	-6.09	-6.70
53.5	-10.70	-9.07	-7.71	-6.59	-5.68	-4.96	-4.38	-3.93	-3.57	-3.27	-3.00	-2.73	-2.43	-2.07	-1.62	-1.04	-3.2	-59	1.71	3.07
54.0	-18.10	-19.04	-19.11	-18.41	-17.03	-15.06	-12.61	-9.77	-6.64	-3.32	-10	3.52	6.84	9.97	12.81	15.26	17.23	18.61	19.31	19.24
54.5	-8.70	-9.46	-9.79	-9.74	-9.35	-8.68	-7.77	-6.67	-5.40	-4.09	-2.70	-1.31	.03	1.27	2.37	3.28	3.95	4.34	4.39	4.06
55.0	-13.90	-11.89	-10.30	-9.08	-8.18	-7.56	-7.17	-6.96	-6.93	-6.93	-7.00	-7.07	-7.10	-7.04	-6.83	-6.44	-5.82	-4.92	-3.70	-2.11
55.5	-8.70	-9.30	-9.69	-9.90	-9.95	-9.85	-9.64	-9.34	-8.96	-8.54	-8.10	-7.66	-7.24	-6.86	-6.56	-6.35	-6.25	-6.30	-6.51	-6.90
56.0	-10.70	-10.81	-10.86	-10.86	-10.82	-10.74	-10.63	-10.49	-10.34	-10.17	-10.00	-9.83	-9.66	-9.51	-9.37	-9.26	-9.18	-9.14	-9.14	-9.19
56.5	-8.90	-8.62	-8.50	-8.54	-8.70	-8.98	-9.35	-9.80	-10.30	-10.84	-11.40	-11.96	-12.50	-13.00	-13.45	-13.82	-14.10	-14.26	-14.30	-14.18

ASPECT

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
57.0	-4.60	-4.44	-4.59	-5.02	5.67	-7.56	-8.73	10.00	-11.33	12.70	-14.07	-15.40	-16.67	-17.84	-18.87	-19.73	-20.38	-20.81	-20.95
57.5	10.00	-10.70	-11.39	-12.09	-12.79	-13.49	-14.19	-15.60	-16.30	-17.00	-17.70	-18.40	-19.11	-19.81	-20.51	-21.21	-21.91	-22.61	-23.30
58.0	-7.50	-6.72	-6.37	-6.41	-6.79	-7.47	-8.38	-9.49	-10.75	-13.50	-14.90	-16.25	-17.51	-18.62	-19.53	-20.21	-20.59	-20.63	-20.28
58.5	-4.30	-5.05	-5.58	-5.92	-6.10	-6.14	-6.05	-5.87	-5.62	-5.00	-4.68	-4.38	-4.13	-3.95	-3.86	-3.90	-4.08	-4.42	-4.95
59.0	8.50	-6.94	-5.73	-4.81	-4.16	-3.74	-3.51	-3.42	-3.45	-3.70	-3.84	-3.95	-3.98	-3.89	-3.66	-3.24	-2.59	-1.67	-46
59.5	-6.60	-5.85	-5.27	-4.84	-4.54	-4.34	-4.24	-4.22	-4.25	-4.40	-4.49	-4.55	-4.58	-4.56	-4.46	-4.26	-3.96	-3.53	-2.95
60.0	-6.70	-7.23	-7.49	-7.52	-7.34	-6.99	-6.49	-5.87	-4.31	-3.60	-2.80	-2.04	-1.33	-0.71	-0.21	-0.32	-0.96	-1.67	-2.95
60.5	10.00	-10.08	-9.83	-9.30	-8.52	-7.53	-6.36	-5.04	-3.62	-2.13	-0.93	-0.24	-0.34	-0.56	-0.86	-1.27	-1.80	-2.59	-4.03
61.0	7.40	-6.56	-6.09	-5.96	-6.12	-6.53	-7.15	-7.94	-8.86	-10.90	-11.94	-12.94	-13.86	-14.65	-15.27	-15.68	-15.84	-15.71	-15.24
61.5	-3.80	-3.03	-2.55	-2.33	-2.34	-2.55	-2.92	-3.43	-4.03	-4.70	-5.40	-6.10	-6.77	-7.37	-7.88	-8.25	-8.47	-8.25	-7.77
62.0	-7.90	-9.77	-10.88	-11.33	-11.20	-10.56	-9.51	-8.12	-6.49	-4.69	-2.80	-0.91	-0.89	-0.52	-0.31	-0.49	-0.53	-0.28	-0.17
62.5	6.40	-6.53	-6.44	-6.18	-5.75	-5.19	-4.51	-3.74	-2.90	-2.01	-1.10	-0.20	0.54	1.54	2.99	3.55	3.98	4.24	4.33
63.0	8.90	8.92	-8.64	-8.09	-7.30	-6.31	-5.15	-3.86	-2.46	-1.00	-0.50	0.36	1.48	2.61	3.63	4.48	5.13	5.67	6.04
63.5	-6.40	-6.26	-6.22	-6.28	-6.43	-6.64	-6.92	-7.25	-7.61	-8.00	-8.40	-8.80	-9.19	-9.55	-9.88	-10.16	-10.37	-10.52	-10.54
64.0	-7.60	-7.25	-7.17	-7.31	-7.65	-8.16	-8.82	-9.59	-10.44	-11.36	-12.30	-13.24	-14.16	-15.01	-15.78	-16.44	-16.95	-17.29	-17.35
64.5	-11.20	-12.59	-13.17	-13.04	-12.28	-10.98	-9.24	-7.15	-4.78	-2.23	-0.40	0.30	0.58	0.95	1.04	1.178	13.08	13.84	13.97
65.0	-5.00	-4.48	-4.13	-3.93	-3.86	-3.91	-4.05	-4.27	-4.55	-4.87	-5.20	-5.53	-5.85	-6.13	-6.35	-6.49	-6.54	-6.27	-5.92
65.5	-1.10	-0.78	-1.17	-1.10	-0.65	-1.13	-1.19	-1.24	-1.32	-1.48	-1.70	-1.87	-2.08	-2.37	-2.66	-2.92	-3.13	-3.27	-3.48
66.0	11.00	-11.56	-11.77	-11.68	-11.32	-10.74	-9.96	-9.03	-7.98	-6.86	-5.70	-4.54	-3.42	-2.37	-1.44	-0.66	-0.08	0.28	0.16
66.5	6.90	-7.47	-7.67	-7.54	-7.13	-6.48	-5.63	-4.61	-3.48	-2.26	-1.00	-0.26	1.48	2.61	3.63	4.48	5.13	5.67	6.04
67.0	-4.0	-3.82	-3.95	-3.82	-4.8	-0.06	-0.76	-1.58	-2.50	-3.49	-4.50	-5.51	-6.50	-7.42	-8.24	-8.94	-9.48	-9.82	-9.82
67.5	-2.90	-1.92	-3.34	-4.13	-4.37	-4.14	-3.52	-2.59	-1.43	-1.10	-0.30	-0.03	-0.40	-0.71	-0.92	-1.04	-1.13	-1.13	-1.13
68.0	2.90	-1.16	-0.7	-0.86	-1.26	-1.33	-1.12	-0.8	-0.63	-1.40	-2.17	-2.88	-3.48	-3.92	-4.13	-4.06	-3.66	-2.87	-1.64
68.5	5.0	8.9	1.04	0.98	0.73	0.32	-0.23	-0.88	-1.61	-2.39	-3.20	-4.01	-4.79	-5.52	-6.17	-6.72	-7.13	-7.38	-7.29
69.0	8.70	-9.67	-10.28	-10.56	-10.57	-10.32	-9.88	-9.28	-8.55	-7.75	-6.90	-6.05	-5.25	-4.52	-3.92	-3.48	-3.23	-3.24	-3.52
69.5	4.50	-4.03	-3.91	-4.10	-4.56	-5.24	-6.12	-7.16	-8.31	-9.53	-10.80	-12.07	-13.29	-14.44	-15.48	-16.36	-17.04	-17.50	-17.57
70.0	2.10	-2.25	-2.15	-1.81	-1.27	-0.56	-0.30	1.28	2.34	3.45	4.60	5.75	6.86	7.92	8.90	9.76	10.47	11.01	11.35
70.5	-12.20	-14.33	-15.37	-15.44	-14.66	-13.14	-11.02	-8.42	-5.45	-2.23	1.10	4.43	7.65	10.62	13.22	15.34	16.86	17.64	16.53
71.0	-10.60	-10.76	-10.44	-9.70	-8.59	-7.16	-5.47	-3.56	-1.50	-0.68	2.90	5.12	7.30	9.36	11.27	12.96	14.39	15.50	16.56
71.5	-2.70	-1.76	-1.10	-0.69	-0.50	-0.50	-0.65	-0.93	-1.30	-1.74	-2.20	-2.66	-3.10	-3.47	-3.75	-3.90	-3.90	-3.71	-3.30
72.0	-4.20	-2.54	-1.44	-0.85	-0.71	-0.94	-1.49	-2.30	-3.29	-4.42	-5.60	-6.78	-7.91	-8.90	-9.71	-10.26	-10.49	-10.35	-9.76
72.5	-7.60	-7.82	-7.79	-7.52	-7.05	-6.40	-5.62	-4.71	-3.72	-2.68	-1.60	-0.52	0.52	1.51	2.42	3.20	3.85	4.32	4.59
73.0	2.00	-1.02	-0.25	0.32	0.73	0.99	1.14	1.19	1.16	1.09	1.00	0.91	0.84	0.81	0.86	1.01	1.27	1.68	2.25
73.5	-9.50	-10.88	-11.70	-12.00	-11.87	-11.35	-10.52	-9.44	-8.16	-6.76	-5.30	-3.84	-2.44	-1.16	-0.08	0.75	1.27	1.40	1.10
74.0	-11.90	-11.47	-11.02	-10.55	-10.06	-9.55	-9.04	-8.51	-7.98	-7.44	-6.90	-6.36	-5.82	-5.29	-4.76	-4.25	-3.74	-3.25	-2.78
74.5	-10.10	-10.95	-11.25	-11.05	-10.43	-9.44	-8.14	-6.59	-4.87	-3.01	-1.10	0.81	2.67	4.39	5.94	7.24	8.23	8.85	9.05
75.0	5.40	6.89	7.97	8.68	9.07	9.18	9.06	8.76	8.31	7.78	7.20	6.62	6.09	5.64	5.34	5.22	5.33	5.72	6.43
75.5	1.20	3.48	4.99	5.82	6.36	5.8	5.11	4.08	2.79	1.34	-0.20	-1.74	-3.19	-4.48	-5.51	-6.20	-6.46	-6.22	-5.39
76.0	90	1.10	1.40	1.79	2.26	2.80	3.39	4.03	4.70	5.39	6.10	6.81	7.50	8.17	8.81	9.40	9.94	10.41	10.80
76.5	-5.60	-4.01	-2.53	-1.16	0.12	1.32	2.45	3.54	4.58	5.60	6.60	7.60	8.62	9.66	10.75	11.88	13.08	14.36	15.73
77.0	1.00	3.92	6.09	7.59	8.50	8.90	8.8	8.53	7.93	7.16	6.30	5.44	4.67	4.07	3.71	3.70	4.10	5.01	6.51
77.5	-4.70	-3.38	-2.10	-0.86	0.34	1.51	2.66	3.79	4.90	6.00	7.10	8.20	9.30	10.41	11.54	12.69	13.86	15.06	16.30
78.0	-2.50	-4.37	-5.51	-5.99	-5.91	-5.34	-4.36	-3.05	-1.50	0.21	2.00	3.79	5.50	7.05	8.36	9.34	9.91	9.99	8.37

ASPECT

BISTATIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
8.5	70	17	-12	-20	-08	20	62	114	175	241	310	379	445	506	558	600	628	640	632	603
9.0	160	133	106	78	51	23	-06	-34	-63	-91	-120	-149	-177	-206	-234	-263	-291	-318	-346	-373
9.5	260	330	370	386	379	354	312	258	194	123	50	-23	-94	-158	-212	-254	-279	-286	-271	-230
80.0	760	849	876	846	767	647	491	308	104	115	340	-565	-784	-988	-1171	-1327	-1447	-1526	-1556	-1529
80.5	370	484	513	467	355	187	-28	280	561	861	1170	-1479	-1779	-2060	-2312	-2527	-2695	-2807	-2853	-2824
81.0	130	349	469	503	460	352	189	-18	-257	518	-790	-1062	-1323	-1562	-1769	-1932	-2040	-2083	-2049	-1929
81.5	390	308	211	100	-22	-155	-296	443	596	752	910	-1068	-1224	-1377	-1524	-1665	-1798	-1920	-2031	-2128
82.0	740	797	803	764	684	571	429	264	82	-111	-310	-509	-702	-884	-1049	-1191	-1304	-1384	-1423	-1417
82.5	330	300	240	155	48	-79	222	-378	-543	-715	-890	-1065	-1237	-1402	-1558	-1701	-1828	-1935	-2020	-2080
83.0	160	22	-96	-194	-277	-345	-402	-450	-490	526	560	594	630	670	718	775	843	926	1024	-1142
83.5	-30	-212	-345	-435	-487	-507	-500	-472	-421	371	310	-249	-193	-148	-120	-113	-133	-185	-275	-408
84.0	660	-821	-923	-974	979	945	879	787	675	551	420	-289	-165	-53	39	105	139	134	83	-19
84.5	-630	-756	-850	-917	-960	-982	-986	-977	-957	-930	-900	-870	-843	-823	-814	-818	-840	-883	-950	-1044
85.0	-960	-1139	-1247	-1294	-1286	-1231	-1137	-1013	-865	-701	-530	-359	-195	-47	77	171	226	234	187	79
85.5	-1140	-1335	-1479	-1576	-1633	-1655	-1649	-1619	-1572	-1514	-1450	-1386	-1328	-1281	-1251	-1245	-1267	-1324	-1421	-1565
86.0	-570	-651	-723	-787	-846	-898	-946	-990	-1032	-1071	-1110	-1149	-1188	-1230	-1274	-1322	-1374	-1433	-1497	-1569
86.5	970	-978	-975	964	944	917	885	847	807	764	720	676	633	593	555	523	496	476	465	462
87.0	-840	-668	-544	-465	-423	-414	-433	-473	-530	-597	-670	-743	-810	-867	-907	-926	-917	-875	-796	672
87.5	1270	-1363	-1398	-1383	-1322	-1224	-1093	937	762	574	-380	-186	02	177	333	464	562	623	638	603
88.0	-300	-233	-196	-185	-198	-231	-281	-344	-417	-497	-580	-663	-743	-816	-879	-929	-962	-975	-964	-927
88.5	-450	-233	-105	-56	-77	-157	-286	-455	-653	-872	-1100	-1328	-1547	-1745	-1914	-2043	-2123	-2144	-2095	-1967
89.0	-980	-813	-719	-691	-719	-796	-914	-1065	-1240	-1431	-1630	-1829	-2020	-2195	-2346	-2464	-2541	-2569	-2541	-2447
89.5	-970	-944	-947	-975	-1025	-1094	-1178	-1275	-1381	-1494	-1610	-1726	-1839	-1945	-2042	-2126	-2195	-2245	-2273	-2276
90.0	-840	-784	-741	-711	-692	-683	-681	-685	-694	-706	-720	-734	-746	-755	-759	-757	-748	-729	-699	656
90.5	-1020	-970	-926	-888	-854	-825	-800	-778	-757	-738	-720	-702	-683	-662	-640	-615	-586	-552	-514	-470
91.0	-450	-469	-482	-489	-490	-487	-480	-470	-458	-444	-430	-416	-402	-390	-380	-373	-370	-371	-378	-391
91.5	-100	-91	-103	-134	-181	-241	-313	-394	-482	-575	-670	-765	-858	-946	-1027	-1099	-1159	-1206	-1237	-1249
92.0	-630	-459	-343	-277	-255	-271	-317	-389	-479	-581	-690	-799	-901	-991	-1063	-1109	-1125	-1103	-1037	-921
92.5	-410	-450	-502	-565	-638	-719	-807	-901	-998	-1098	-1200	-1302	-1402	-1499	-1593	-1681	-1762	-1835	-1898	-1950
93.0	990	-844	-737	-662	-618	-598	-599	-617	-648	-687	-730	-773	-812	-843	-861	-862	-842	-798	-723	-616
93.5	-860	-892	-914	-925	-928	-923	-912	-896	-876	-854	-830	-806	-784	-764	-748	-737	-732	-735	-746	-768
94.0	-1640	-1869	-2041	-2046	-2015	-1918	-1768	-1574	-1347	-1099	-840	-581	-333	-106	88	238	335	366	321	189
94.5	-800	-854	-896	-927	-949	-963	-970	-972	-971	-966	-960	-954	-949	-948	-950	-957	-971	-993	-1024	-1066
95.0	-580	-714	-826	-917	-990	-1049	-1094	-1130	-1157	-1180	-1200	-1220	-1243	-1271	-1306	-1351	-1410	-1483	-1574	-1686
95.5	-270	-399	-533	-674	-819	-968	-1120	-1275	-1432	-1591	-1750	-1909	-2068	-2225	-2380	-2532	-2681	-2826	-2967	-3101
96.0	-1530	-1561	-1572	-1567	-1547	-1513	-1470	-1417	-1358	-1295	-1230	-1165	-1102	-1043	-990	-947	-913	-893	-888	-899
96.5	-620	-591	-574	-567	-569	-579	-595	-617	-643	-671	-700	-729	-757	-783	-805	-821	-831	-833	-826	-809
97.0	-1460	-1488	-1496	-1485	-1458	-1418	-1366	-1305	-1237	-1165	-1090	-1015	-943	-875	-814	-762	-722	-695	-684	-692
97.5	-1100	-1230	-1315	-1358	-1365	-1341	-1292	-1222	-1136	-1041	-940	-839	-744	-658	-588	-539	-515	-522	-565	-650
98.0	-350	-204	-120	-91	-110	-170	-265	-387	-530	-687	-850	-1013	-1170	-1313	-1435	-1530	-1590	-1609	-1580	-1496
98.5	-1440	-1588	-1673	-1701	-1680	-1617	-1518	-1390	-1242	-1080	-910	-740	-578	-430	-302	-203	-140	-119	-147	-232
99.0	-1330	-1304	-1274	-1241	-1204	-1164	-1122	-1078	-1033	-987	-940	-893	-847	-802	-758	-716	-676	-639	-606	-576
99.5	-1020	-862	-747	-670	-627	-612	-621	-649	-691	-743	-800	-857	-909	-951	-979	-988	-973	-930	-853	738

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
100.0	10.20	-9.14	-8.55	-8.36	8.53	-9.01	-9.74	-10.68	-11.77	-12.96	-14.20	-15.44	-16.63	-17.72	-18.66	-19.39	-19.87	-20.04	-19.85	-19.26
100.5	-6.60	-5.94	-5.63	-5.62	-5.88	-6.37	-7.05	-7.88	-8.82	-9.84	-10.90	-11.96	-12.98	-13.92	-14.75	-15.43	-15.92	-16.18	-16.17	-15.86
101.0	12.20	-13.31	-14.16	-14.77	-15.19	-15.44	-15.54	-15.53	-15.44	-15.28	-15.10	-14.92	-14.76	-14.67	-14.66	-14.76	-15.01	-15.43	-16.05	-16.89
101.5	-12.10	-10.67	-9.45	-8.42	-7.56	-6.85	-6.26	-5.76	-5.33	-4.95	-4.60	-4.25	-3.87	-3.44	-2.94	-2.35	-1.64	-78	25	1.47
102.0	-11.20	-11.53	-11.69	-11.69	-11.56	-11.31	-10.96	-10.54	-10.06	-9.54	-9.00	-8.46	-7.94	-7.46	-7.04	-6.69	-6.44	-6.31	-6.31	-6.47
102.5	-18.70	-19.82	-20.53	-20.86	-20.87	-20.60	-20.10	-19.41	-18.59	-17.67	-16.70	-15.73	-14.81	-13.99	-13.30	-12.80	-12.53	-12.54	-12.87	-13.58
103.0	-6.70	-5.03	-4.11	-3.86	-4.20	-5.05	-6.31	-7.92	-9.77	-11.79	-13.90	-16.01	-18.03	-19.88	-21.49	-22.75	-23.60	-23.94	-23.69	-22.77
103.5	-7.40	-7.81	-8.25	-8.72	-9.22	-9.73	-10.26	-10.81	-11.37	-11.93	-12.50	-13.07	-13.63	-14.19	-14.74	-15.27	-15.78	-16.28	-16.75	-17.19
104.0	-6.80	-5.82	-5.11	-4.64	-4.40	-4.33	-4.42	-4.63	-4.94	-5.30	-5.70	-6.10	-6.46	-6.77	-6.98	-7.07	-7.00	-6.76	-6.29	-5.58
104.5	-17.70	-16.44	-15.15	-13.85	-12.53	-11.20	-9.85	-8.50	-7.14	-5.77	-4.40	-3.03	-1.66	-0.30	1.05	2.40	3.73	5.05	6.35	7.64
105.0	-11.80	-12.13	-12.15	-11.87	-11.34	-10.60	-9.67	-8.61	-7.43	-6.18	-4.90	-3.62	-2.37	-1.19	-0.13	.80	1.54	2.07	2.35	2.33
105.5	-8.20	-6.38	-5.16	-4.46	-4.21	-4.36	-4.83	-5.57	-6.51	-7.57	-8.70	-9.83	-10.89	-11.83	-12.57	-13.04	-13.19	-12.94	-12.24	-11.02
106.0	-8.90	-8.84	-8.89	-9.04	-9.28	-9.59	-9.95	-10.37	-10.83	-11.31	-11.80	-12.29	-12.77	-13.23	-13.65	-14.01	-14.32	-14.56	-14.71	-14.76
106.5	-14.60	-15.60	-16.06	-16.04	-15.60	-14.80	-13.70	-12.36	-10.84	-9.20	-7.50	-5.80	-4.16	-2.64	-1.30	-0.20	.60	1.04	1.06	.60
107.0	-10.60	-9.59	-8.76	-8.09	-7.56	-7.15	-6.84	-6.61	-6.44	-6.31	-6.20	-6.09	-5.96	-5.79	-5.56	-5.25	-4.84	-4.31	-3.64	-2.81
107.5	-6.00	-5.88	-5.99	-6.31	-6.81	-7.47	-8.26	-9.15	-10.12	-11.15	-12.20	-13.25	-14.28	-15.25	-16.14	-16.93	-17.59	-18.09	-18.41	-18.52
108.0	-8.80	-9.60	-10.46	-11.39	-12.38	-13.41	-14.48	-15.58	-16.71	-17.85	-19.00	-20.15	-21.29	-22.42	-23.52	-24.59	-25.62	-26.61	-27.54	-28.40
108.5	-8.60	-8.60	-8.87	-9.40	-10.14	-11.06	-12.14	-13.35	-14.65	-16.01	-17.40	-18.79	-20.15	-21.45	-22.66	-23.74	-24.66	-25.40	-25.93	-26.20
109.0	-9.20	-8.86	-8.69	-8.69	-8.82	-9.07	-9.42	-9.84	-10.33	-10.86	-11.40	-11.94	-12.47	-12.96	-13.38	-13.73	-14.01	-14.11	-14.11	-13.94
109.5	-7.60	-6.88	-6.08	-5.38	-4.60	-3.82	-3.18	-2.55	-1.94	-1.31	-0.60	-0.04	0.54	1.14	1.74	2.34	2.94	3.54	4.14	4.74
110.0	-6.00	-5.81	-5.82	-6.01	-6.35	-6.82	-7.41	-8.08	-8.82	-9.60	-10.40	-11.20	-11.98	-12.72	-13.39	-13.98	-14.45	-14.79	-14.98	-14.99
110.5	-9.40	-9.95	-10.37	-10.69	-10.91	-11.05	-11.12	-11.14	-11.11	-11.06	-11.00	-10.94	-10.89	-10.86	-10.88	-10.95	-11.09	-11.31	-11.63	-12.05
111.0	-7.40	-8.91	-9.85	-10.29	-10.30	-9.92	-9.23	-8.30	-7.17	-5.92	-4.60	-3.28	-2.03	-0.90	.03	.72	1.10	1.09	.65	-29
111.5	-5.10	-5.95	-6.71	-7.40	-8.02	-8.59	-9.11	-9.59	-10.04	-10.47	-10.90	-11.33	-11.76	-12.21	-12.69	-13.21	-13.78	-14.40	-15.09	-15.85
112.0	-9.30	-10.50	-11.58	-12.58	-13.49	-14.34	-15.12	-15.86	-16.56	-17.23	-17.90	-18.57	-19.24	-19.94	-20.68	-21.46	-22.31	-23.22	-24.22	-25.30
112.5	-15.00	-16.88	-18.06	-18.61	-18.62	-18.17	-17.32	-16.16	-14.77	-13.22	-11.60	-9.98	-8.43	-7.04	-5.88	-5.03	-4.58	-4.59	-5.14	-6.32
113.0	-7.60	-6.09	-4.94	-4.12	-3.58	-3.28	-3.18	-3.25	-3.43	-3.69	-4.00	-4.31	-4.57	-4.75	-4.82	-4.72	-4.42	-3.88	-3.06	-1.91
113.5	-9.80	-9.34	-8.99	-8.73	-8.56	-8.45	-8.41	-8.42	-8.46	-8.52	-8.60	-8.68	-8.74	-8.78	-8.79	-8.75	-8.64	-8.47	-8.21	-7.86
114.0	-10.60	-11.13	-11.37	-11.36	-11.13	-10.71	-10.14	-9.44	-8.65	-7.79	-6.90	-6.01	-5.15	-4.36	-3.66	-3.09	-2.67	-2.44	-2.43	-2.67
114.5	-16.30	-17.39	-17.74	-17.44	-16.57	-15.20	-13.43	-11.34	-8.99	-6.49	-3.90	-1.31	1.19	3.54	5.63	7.40	8.77	9.64	9.94	9.59
115.0	-14.90	-16.82	-17.82	-17.98	-17.41	-16.23	-14.52	-12.41	-9.98	-7.34	-4.60	-1.86	.78	3.21	5.32	7.03	8.21	8.78	8.62	7.62
115.5	-11.70	-12.34	-12.95	-13.53	-14.09	-14.62	-15.14	-15.64	-16.13	-16.62	-17.10	-17.58	-18.07	-18.56	-19.06	-19.58	-20.11	-20.67	-21.25	-21.86
116.0	-15.70	-16.75	-17.19	-17.08	-16.50	-15.50	-14.17	-12.57	-10.76	-8.81	-6.80	-4.79	-2.84	-1.03	.57	1.90	2.90	3.48	3.59	3.15
116.5	-3.20	-9.9	.22	.54	.09	-1.03	-2.70	-4.81	-7.25	-9.92	-12.70	-15.48	-18.15	-20.59	-22.70	-24.37	-25.49	-25.94	-25.62	-24.41
117.0	-4.70	-2.27	-.74	-.01	.02	-.55	-1.62	-3.09	-4.86	-6.83	-8.90	-10.97	-12.94	-14.71	-16.18	-17.25	-17.82	-17.79	-17.06	-15.53
117.5	-10.80	-11.08	-11.34	-11.59	-11.82	-12.03	-12.24	-12.44	-12.63	-12.82	-13.00	-13.18	-13.37	-13.56	-13.76	-13.97	-14.18	-14.41	-14.66	-14.92
118.0	-7.00	-6.72	-6.58	-6.58	-6.70	-6.91	-7.21	-7.57	-7.99	-8.44	-8.90	-9.36	-9.81	-10.23	-10.59	-10.89	-11.10	-11.22	-11.22	-11.08
118.5	-4.60	-3.47	-2.68	-2.20	-1.98	-1.98	-2.18	-2.53	-2.99	-3.53	-4.10	-4.67	-5.21	-5.67	-6.02	-6.22	-6.22	-6.00	-5.52	-4.73
119.0	-9.90	-10.20	-10.61	-11.12	-11.71	-12.36	-13.08	-13.84	-14.64	-15.47	-16.30	-17.13	-17.96	-18.76	-19.52	-20.24	-20.89	-21.48	-21.99	-22.40
119.5	-9.90	-10.76	-11.41	-11.88	-12.18	-12.35	-12.40	-12.35	-12.24	-12.08	-11.90	-11.72	-11.56	-11.45	-11.40	-11.45	-11.62	-11.92	-12.39	-13.04
120.0	-6.50	-6.03	-5.86	-5.96	-6.30	-6.84	-7.55	-8.39	-9.34	-10.35	-11.40	-12.45	-13.46	-14.41	-15.25	-15.96	-16.50	-16.84	-16.94	-16.77
120.5	-8.70	-9.26	-9.78	-10.27	-10.72	-11.16	-11.57	-11.97	-12.35	-12.73	-13.10	-13.47	-13.85	-14.23	-14.63	-15.04	-15.48	-15.93	-16.42	-16.94
121.0	-12.80	-13.43	-13.77	-13.83	-13.66	-13.29	-12.75	-12.08	-11.31	-10.47	-9.60	-8.73	-7.89	-7.12	-6.45	-5.91	-5.54	-5.37	-5.44	-5.77

ASPECT

BISTATIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
121.5	8.10	-6.17	-4.92	4.27	4.15	-4.48	-5.19	6.21	-7.44	8.83	-10.30	-11.77	-13.16	-14.39	-15.41	-16.12	-16.45	-16.33	-15.68	-14.43
122.0	-5.10	-4.60	-4.57	-4.97	-5.74	-6.83	-8.18	9.75	-11.48	-13.31	-15.20	-17.09	-18.92	-20.65	-22.22	-23.57	-24.66	-25.43	-25.83	-25.80
122.5	-10.20	-12.57	-14.31	-15.50	-16.19	-16.47	-16.39	-16.04	-15.48	-14.77	-14.00	-13.23	-12.52	-11.96	-11.61	-11.53	-11.81	-12.50	-13.69	-15.43
123.0	-9.40	-9.74	-9.96	-10.07	-10.08	-10.01	-9.87	-9.67	-9.44	-9.18	-8.90	-8.62	-8.36	-8.13	-7.93	-7.79	-7.72	-7.73	-7.84	-8.06
123.5	-6.40	-5.78	-5.41	-5.27	-5.31	-5.52	-5.87	-6.33	-6.88	-7.47	-8.10	-8.73	-9.32	-9.87	-10.33	-10.68	-10.89	-10.93	-10.79	-10.42
124.0	-10.30	-10.67	-11.06	-11.47	-11.89	-12.32	-12.77	-13.22	-13.68	-14.14	-14.60	-15.06	-15.52	-15.98	-16.43	-16.88	-17.31	-17.73	-18.14	-18.53
124.5	-8.30	-6.58	-5.47	-4.91	-4.83	-5.15	-5.81	-6.74	-7.88	-9.16	-10.50	-11.84	-13.12	-14.26	-15.19	-15.85	-16.17	-16.09	-15.52	-14.42
125.0	-12.70	-13.58	-14.12	-14.36	-14.33	-14.07	-13.62	-13.02	-12.31	-11.53	-10.70	-9.87	-9.09	-8.38	-7.78	-7.33	-7.07	-7.04	-7.28	-7.82
125.5	-15.80	-17.33	-18.35	-18.92	-19.09	-18.91	-18.45	-17.76	-16.90	-15.93	-14.90	-13.87	-12.90	-12.04	-11.35	-10.89	-10.71	-10.88	-11.45	-12.47
126.0	-9.90	-9.57	-9.41	-9.40	-9.53	-9.77	-10.10	-10.51	-10.97	-11.48	-12.00	-12.52	-13.03	-13.49	-13.90	-14.23	-14.47	-14.60	-14.59	-14.43
126.5	-12.30	-13.81	-14.82	-15.39	-15.58	-15.44	-15.02	-14.38	-13.58	-12.67	-11.70	-10.73	-9.82	-9.02	-8.38	-7.96	-7.82	-8.01	-8.58	-9.59
127.0	-14.30	-16.32	-17.57	-18.42	-18.66	-18.41	-17.86	-17.10	-16.21	-15.24	-14.20	-13.16	-12.12	-11.09	-10.07	-9.06	-8.04	-7.02	-6.01	-5.08
127.5	-9.10	-9.38	-9.80	-10.35	-11.01	-11.76	-12.59	-13.49	-14.43	-15.41	-16.40	-17.39	-18.37	-19.31	-20.21	-21.04	-21.79	-22.45	-23.00	-23.42
128.0	-9.70	-7.43	-5.86	-4.90	-4.48	-4.53	-4.96	-5.70	-6.67	-7.80	-9.00	-10.20	-11.33	-12.30	-13.04	-13.47	-13.52	-13.10	-12.14	-10.57
128.5	-6.90	-5.88	-5.39	-5.37	-5.77	-6.51	-7.56	-8.84	-10.29	-11.87	-13.50	-15.13	-16.71	-18.16	-19.44	-20.49	-21.23	-21.63	-21.61	-21.12
129.0	-17.10	-19.01	-20.17	-20.66	-20.56	-19.97	-18.96	-17.61	-16.01	-14.25	-12.40	-10.55	-8.79	-7.19	-5.84	-4.83	-4.24	-4.14	-4.63	-5.79
129.5	-9.30	-8.31	-7.89	-7.98	-8.53	-9.45	-10.70	-12.20	-13.89	-15.71	-17.60	-19.49	-21.31	-23.00	-24.50	-25.75	-26.67	-27.22	-27.31	-26.89
130.0	-4.10	-3.70	-3.80	-4.32	-5.23	-6.46	-7.96	-9.68	-11.56	-13.55	-15.60	-17.64	-19.64	-21.52	-23.24	-24.74	-25.97	-26.88	-27.40	-27.50
130.5	-6.60	-7.57	-8.24	-8.66	-8.86	-8.86	-8.70	-8.41	-8.03	-7.58	-7.10	-6.62	-6.17	-5.79	-5.50	-5.34	-5.34	-5.40	-5.56	-6.63
131.0	-11.90	-12.45	-13.01	-13.60	-14.20	-14.81	-15.44	-16.07	-16.71	-17.35	-18.00	-18.65	-19.29	-19.93	-20.56	-21.19	-21.80	-22.40	-22.99	-23.55
131.5	-13.40	-12.39	-11.60	-11.01	-10.58	-10.29	-10.13	-10.06	-10.07	-10.12	-10.20	-10.28	-10.33	-10.34	-10.27	-10.11	-9.82	-9.39	-8.80	-8.01
132.0	-6.70	-5.11	-4.21	-3.95	-4.23	-4.97	-6.11	-7.56	-9.24	-11.08	-13.00	-14.92	-16.76	-18.44	-19.89	-21.03	-21.77	-22.05	-21.79	-20.89
132.5	-5.70	-6.47	-7.04	-7.43	-7.67	-7.77	-7.77	-7.68	-7.52	-7.32	-7.10	-6.88	-6.68	-6.52	-6.43	-6.43	-6.53	-6.77	-7.16	-7.73
133.0	-13.50	-14.59	-15.17	-15.29	-15.02	-14.40	-13.50	-12.38	-11.08	-9.67	-8.20	-6.73	-5.32	-4.02	-2.90	-2.00	-1.38	-1.11	-1.23	-1.81
133.5	-4.60	-4.60	-4.66	-4.79	-4.96	-5.18	-5.44	-5.73	-6.04	-6.37	-6.70	-7.03	-7.36	-7.67	-7.96	-8.22	-8.44	-8.61	-8.74	-8.80
134.0	-5.20	-4.52	-4.05	-3.78	-3.68	-3.73	-3.90	-4.16	-4.50	-4.89	-5.30	-5.71	-6.10	-6.44	-6.70	-6.87	-6.92	-6.82	-6.55	-6.08
134.5	-6.30	-7.04	-7.62	-8.04	-8.34	-8.52	-8.61	-8.62	-8.58	-8.50	-8.40	-8.30	-8.22	-8.18	-8.19	-8.28	-8.46	-8.76	-9.18	-9.76
135.0	-10.90	-9.67	-8.97	-8.75	-8.96	-9.51	-10.37	-11.47	-12.75	-14.14	-15.60	-17.06	-18.45	-19.73	-20.83	-21.69	-22.24	-22.45	-22.23	-21.53
135.5	-8.30	-7.89	-7.76	-7.88	-8.21	-8.73	-9.40	-10.19	-11.08	-12.02	-13.00	-13.98	-14.92	-15.81	-16.60	-17.27	-17.79	-18.12	-18.24	-18.11
136.0	-9.20	-8.72	-8.65	-8.93	-9.53	-10.40	-11.49	-12.76	-14.16	-15.66	-17.20	-18.74	-20.24	-21.64	-22.91	-24.00	-24.87	-25.47	-25.75	-25.68
136.5	-19.80	-20.12	-20.09	-19.74	-19.11	-18.24	-17.17	-15.94	-14.59	-13.17	-11.70	-10.23	-8.81	-7.46	-6.23	-5.16	-4.29	-3.66	-3.31	-3.28
137.0	-12.50	-11.63	-10.93	-10.39	-9.98	-9.69	-9.50	-9.38	-9.32	-9.30	-9.30	-9.30	-9.28	-9.22	-9.10	-8.91	-8.62	-8.21	-7.67	-6.97
137.5	-15.10	-13.05	-11.53	-10.50	-9.88	-9.62	-9.66	-9.93	-10.39	-10.96	-11.60	-12.24	-12.81	-13.27	-13.54	-13.58	-13.32	-12.70	-11.67	-10.15
138.0	-9.40	-10.08	-10.70	-11.27	-11.80	-12.29	-12.75	-13.19	-13.60	-14.00	-14.40	-14.80	-15.20	-15.61	-16.05	-16.51	-17.00	-17.53	-18.10	-18.72
138.5	-12.30	-12.50	-12.62	-12.67	-12.66	-12.60	-12.49	-12.35	-12.18	-12.00	-11.80	-11.60	-11.42	-11.25	-11.11	-11.00	-10.94	-10.93	-10.98	-11.10
139.0	-4.40	-2.98	-2.32	-2.33	-2.92	-4.02	-5.53	-7.38	-9.48	-11.75	-14.10	-16.45	-18.72	-20.82	-22.67	-24.18	-25.28	-25.87	-25.88	-25.22
139.5	-6.60	-6.12	-5.98	-6.16	-6.60	-7.28	-8.15	-9.18	-10.32	-11.54	-12.80	-14.06	-15.28	-16.42	-17.45	-18.32	-19.00	-19.44	-19.62	-19.48
140.0	-4.00	-2.70	-1.94	-1.67	-1.82	-2.33	-3.14	-4.19	-5.43	-6.78	-8.20	-9.62	-10.97	-12.21	-13.26	-14.07	-14.58	-14.73	-14.46	-13.70
140.5	-5.90	-4.79	-4.23	-4.14	-4.47	-5.16	-6.15	-7.38	-8.78	-10.31	-11.90	-13.49	-15.01	-16.42	-17.65	-18.64	-19.33	-19.66	-19.57	-19.01
141.0	-7.90	-6.77	-6.11	-5.89	-6.04	-6.51	-7.24	-8.20	-9.31	-10.53	-11.80	-13.07	-14.29	-15.40	-16.36	-17.09	-17.56	-17.71	-17.49	-16.83
141.5	-8.10	-7.96	-8.16	-8.67	-9.46	-10.48	-11.69	-13.06	-14.54	-16.10	-17.70	-19.30	-20.86	-22.34	-23.71	-24.92	-25.94	-26.73	-27.24	-27.44
142.0	-8.70	-8.15	-7.94	-8.03	-8.39	-8.98	-9.76	-10.68	-11.73	-12.84	-14.00	-15.16	-16.27	-17.32	-18.24	-19.02	-19.61	-19.97	-20.06	-19.85
142.5	-16.30	-17.62	-18.27	-18.33	-17.87	-16.95	-15.67	-14.09	-12.28	-10.33	-8.30	-6.27	-4.32	-2.51	-0.93	-0.35	-1.27	-1.73	-1.67	-1.02

ASPECT
ANGLE

INSTANT ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
143.0	-13.30	-10.55	-8.45	-5.85	-5.23	-4.96	-4.97	-5.20	-5.56	6.00	-6.44	6.80	-7.03	-7.04	6.77	-6.15	-5.10	-3.55	-1.45
143.5	-8.20	-8.28	-8.36	-8.52	-8.60	-8.68	-8.76	-8.84	-8.92	9.00	-9.08	9.16	-9.24	-9.32	-9.40	-9.48	-9.56	-9.64	-9.72
144.0	-7.80	-7.79	-7.99	-8.38	-8.93	-10.44	-11.35	-12.33	-13.35	-14.40	-15.45	-16.47	-17.45	-18.36	-19.17	-19.87	-20.42	-20.81	-21.01
144.5	-7.10	-5.82	-5.18	-5.10	-6.39	-7.60	-9.10	-10.82	-12.67	-14.60	-16.53	-18.38	-20.10	-21.60	-22.81	-23.67	-24.10	-24.02	-23.38
145.0	-11.60	-11.27	-11.25	-11.52	-12.03	-12.75	-14.69	-15.83	-17.05	-18.30	-19.55	-20.77	-22.10	-22.95	-23.85	-24.57	-25.08	-25.35	-25.33
145.5	-8.30	-8.82	-9.35	-9.90	-10.46	-11.03	-12.21	-12.80	-13.40	-14.00	-14.60	-15.20	-15.79	-16.38	-16.97	-17.54	-18.10	-18.65	-19.18
146.0	-8.90	-7.79	-7.19	-7.03	-7.27	-7.84	-9.78	-11.02	-12.38	-13.80	-15.22	-16.58	-17.82	-18.90	-19.76	-20.33	-20.57	-20.41	-19.81
146.5	-3.30	-3.42	-3.85	-4.56	-5.53	-6.70	-8.05	-9.54	-11.13	-12.80	-14.50	-16.20	-17.87	-19.46	-21.09	-22.30	-23.47	-24.44	-25.58
147.0	-15.30	-15.11	-15.01	-14.98	-15.02	-15.11	-15.25	-15.43	-15.64	-15.86	-16.10	-16.34	-16.56	-16.77	-16.95	-17.18	-17.42	-17.19	-17.09
147.5	-11.20	-12.79	-14.11	-15.19	-16.06	-16.76	-17.31	-17.73	-18.07	-18.35	-18.60	-18.85	-19.13	-19.47	-19.89	-20.44	-21.14	-22.01	-23.09
148.0	-14.10	-14.62	-15.10	-15.56	-15.99	-16.41	-16.81	-17.19	-17.57	-17.94	-18.30	-18.66	-19.03	-19.41	-19.79	-20.19	-20.61	-21.04	-21.98
148.5	-10.30	-11.65	-12.69	-13.47	-14.00	-14.33	-14.49	-14.51	-14.43	-14.28	-14.10	-13.92	-13.77	-13.69	-13.71	-13.87	-14.20	-14.73	-15.51
149.0	-13.60	-12.92	-12.39	-11.99	-11.71	-11.52	-11.42	-11.38	-11.39	-11.44	-11.50	-11.56	-11.61	-11.62	-11.48	-11.29	-11.01	-10.61	-10.08
149.5	-16.20	-18.65	-20.22	-21.03	-21.16	-20.72	-19.79	-18.48	-16.88	-15.09	-13.20	-11.31	-9.52	-7.92	-6.61	-5.68	-5.24	-5.37	-6.18
150.0	-12.30	-10.99	-10.27	-10.05	-10.28	-10.90	-11.83	-13.03	-14.41	-15.92	-17.50	-19.08	-20.59	-21.97	-23.17	-24.10	-24.72	-24.95	-24.01
150.5	-17.80	-20.03	-21.62	-22.64	-23.17	-23.28	-23.03	-22.49	-21.75	-20.86	-19.90	-18.94	-18.05	-17.31	-16.77	-16.52	-16.63	-17.16	-19.77
151.0	-15.00	-13.64	-12.78	-12.35	-12.30	-12.59	-13.14	-13.92	-14.85	-15.90	-17.00	-18.10	-19.15	-20.08	-20.86	-21.41	-21.70	-21.65	-20.36
151.5	-13.50	-14.51	-15.24	-15.73	-16.01	-16.10	-16.05	-15.87	-15.60	-15.26	-14.90	-14.54	-14.20	-13.93	-13.75	-13.70	-13.79	-14.07	-14.56
152.0	-10.60	-9.83	-9.40	-9.25	-9.36	-9.68	-10.19	-10.84	-11.60	-12.43	-13.30	-14.17	-15.00	-15.76	-16.41	-16.92	-17.24	-17.35	-16.77
152.5	-8.20	-5.55	-3.89	-3.09	-3.06	-3.69	-4.85	-6.46	-8.39	-10.54	-12.80	-15.06	-17.21	-19.14	-20.75	-22.51	-22.54	-22.51	-20.05
153.0	-10.40	-9.28	-8.63	-8.41	-8.56	-9.03	-9.71	-10.71	-11.82	-13.03	-14.30	-15.57	-16.78	-17.89	-18.83	-19.57	-20.04	-20.19	-19.32
153.5	-17.00	-17.67	-17.96	-17.92	-17.59	-17.01	-16.22	-15.26	-14.18	-13.01	-11.80	-10.59	-9.42	-8.34	-7.38	-6.59	-6.01	-5.68	-5.93
154.0	-22.00	-24.07	-25.16	-25.40	-24.87	-23.70	-21.99	-19.84	-17.38	-14.69	-11.90	-9.11	-6.42	-3.96	-1.81	-1.07	1.60	1.36	2.7
154.5	-17.60	-17.99	-18.11	-18.00	-17.70	-17.21	-16.58	-15.84	-15.01	-14.12	-13.20	-12.28	-11.39	-10.56	-9.82	-9.19	-8.70	-8.40	-8.41
155.0	-15.80	-16.28	-16.53	-16.56	-16.41	-16.10	-15.66	-15.11	-14.48	-13.81	-13.10	-12.39	-11.72	-11.09	-10.54	-10.10	-9.79	-9.64	-9.92
155.5	-14.20	-14.01	-13.79	-13.53	-13.26	-12.97	-12.65	-12.33	-11.99	-11.65	-11.30	-10.95	-10.61	-10.27	-9.95	-9.63	-9.34	-9.07	-8.59
156.0	-14.10	-13.36	-12.72	-12.16	-11.69	-11.27	-10.91	-10.60	-10.31	-10.05	-9.80	-9.55	-9.29	-9.00	-8.69	-8.33	-7.91	-7.44	-6.24
156.5	-19.70	-18.04	-16.66	-15.53	-14.61	-13.87	-13.29	-12.84	-12.47	-12.17	-11.90	-11.63	-11.33	-10.96	-10.51	-9.93	-9.19	-8.27	-7.14
157.0	-19.80	-19.17	-18.68	-18.32	-18.06	-17.89	-17.80	-17.77	-17.79	-17.84	-17.90	-17.96	-18.01	-18.03	-18.00	-17.91	-17.74	-17.48	-16.63
157.5	-16.20	-16.58	-16.96	-17.35	-17.74	-18.13	-18.52	-18.91	-19.31	-19.70	-20.10	-20.50	-20.89	-21.29	-21.68	-22.07	-22.46	-22.85	-23.62
158.0	-13.30	-13.60	-14.01	-14.52	-15.12	-15.79	-16.52	-17.29	-18.11	-18.95	-19.80	-20.65	-21.49	-22.31	-23.08	-23.81	-24.48	-25.08	-26.00
158.5	-9.80	-9.41	-9.47	-9.93	-10.76	-11.88	-13.26	-14.84	-16.58	-18.41	-20.30	-22.19	-24.02	-25.76	-27.34	-28.72	-29.84	-30.67	-31.19
159.0	-10.30	-8.21	-6.95	-6.43	-6.56	-7.24	-8.38	-9.88	-11.67	-13.64	-15.70	-17.76	-19.73	-21.52	-23.02	-24.16	-24.84	-24.97	-23.19
160.0	-10.70	-9.67	-9.02	-8.70	-8.67	-8.89	-9.32	-9.92	-10.64	-11.45	-12.30	-13.15	-13.96	-14.68	-15.28	-15.71	-15.93	-15.90	-14.93
160.5	-11.30	-10.28	-9.61	-9.27	-9.20	-9.37	-9.74	-10.26	-10.91	-11.63	-12.40	-13.17	-13.89	-14.54	-15.06	-15.43	-15.60	-15.53	-15.19
161.0	-13.00	-11.94	-11.26	-10.92	-10.88	-11.10	-11.52	-12.12	-12.84	-13.65	-14.50	-15.35	-16.16	-16.88	-17.48	-17.90	-18.12	-18.08	-17.06
161.5	-15.80	-16.32	-16.67	-16.88	-16.97	-16.94	-16.82	-16.63	-16.38	-16.10	-15.80	-15.50	-15.22	-14.97	-14.78	-14.66	-14.63	-14.72	-14.93
162.0	-21.80	-23.30	-24.10	-24.27	-23.90	-23.07	-21.84	-20.30	-18.53	-16.61	-14.60	-12.59	-10.67	-8.90	-7.36	-6.13	-5.30	-4.93	-5.10
162.5	-20.60	-22.07	-22.81	-22.91	-22.45	-21.51	-20.17	-18.51	-16.61	-14.54	-12.40	-10.26	-8.19	-6.29	-4.63	-3.29	-2.35	-1.89	-2.73
163.0	-19.90	-20.32	-20.16	-19.48	-18.35	-16.83	-14.99	-12.90	-10.60	-8.18	-5.70	-3.22	-0.80	1.50	3.59	5.43	6.95	8.08	8.92
163.5	-21.30	-22.20	-22.25	-21.56	-20.21	-18.30	-15.92	-13.17	-10.10	-6.91	-3.60	-0.29	2.93	5.97	8.72	11.10	13.01	14.36	15.00
164.0	-22.30	-23.87	-24.31	-23.76	-22.33	-20.15	-17.35	-14.05	-10.37	-6.45	-2.40	1.65	5.57	9.25	12.55	15.35	17.53	18.96	19.07

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
164.5	22.10	-23.26	-23.39	-22.62	-21.05	-18.80	-15.98	12.71	9.09	5.25	-1.30	2.65	6.49	10.11	13.38	16.20	18.45	20.02	20.79	20.66
165.0	22.10	-20.95	-19.49	-17.73	-15.73	-13.52	-11.13	8.60	5.96	3.25	-5.0	2.25	4.96	7.60	10.13	12.52	14.73	16.73	18.49	19.95
165.5	20.70	-18.95	-17.14	-15.27	-13.36	-11.41	-9.43	-7.42	5.39	3.35	-1.30	7.5	2.79	4.82	6.83	8.81	10.76	12.67	14.54	16.35
166.0	17.70	-16.77	-15.66	-14.38	-12.97	-11.44	-9.81	8.11	6.34	4.53	-2.70	-8.7	94	2.71	4.41	6.04	7.57	8.98	10.26	11.37
166.5	13.80	-13.81	-13.54	-13.01	-12.25	-11.30	-10.20	8.96	7.63	6.23	-4.80	-3.37	-1.97	-64	60	1.70	2.65	3.41	3.94	4.21
167.0	-10.60	-10.64	-10.65	-10.65	-10.62	-10.58	-10.52	10.45	-10.37	-10.29	-10.20	-10.11	-10.03	-9.95	-9.88	-9.82	-9.78	-9.75	-9.75	-9.76
167.5	7.00	-6.00	-5.54	-5.56	-6.00	-6.80	-7.90	-9.24	-10.76	-12.40	-14.10	-15.80	-17.44	-18.96	-20.30	-21.40	-22.20	-22.64	-22.66	-22.20
168.0	6.80	-5.55	-5.05	-5.22	-5.99	-7.25	-8.94	-10.96	-13.23	-15.67	-18.20	-20.73	-23.17	-25.44	-27.46	-29.15	-30.41	-31.18	-31.35	-30.85
168.5	6.80	-5.81	-5.42	-5.58	-6.22	-7.26	-8.64	-10.29	-12.15	-14.14	-16.20	-18.26	-20.25	-22.11	-23.76	-25.14	-26.18	-26.82	-26.98	-26.59
169.0	6.50	-5.65	-5.25	-5.24	-5.58	-6.22	-7.10	-8.18	-9.40	-10.73	-12.10	-13.47	-14.80	-16.03	-17.10	-17.98	-18.62	-18.96	-18.95	-18.55
169.5	6.30	-6.17	-6.19	-6.35	-6.64	-7.02	-7.50	-8.04	-8.63	-9.26	-9.90	-10.54	-11.17	-11.76	-12.30	-12.78	-13.16	-13.45	-13.61	-13.63
170.0	6.10	-6.46	-6.86	-7.30	-7.77	-8.26	-8.78	-9.32	-9.87	-10.43	-11.00	-11.57	-12.13	-12.68	-13.22	-13.74	-14.23	-14.70	-15.14	-15.54
170.5	6.40	-7.21	-8.04	-8.88	-9.73	-10.59	-11.46	-12.34	-13.22	-14.11	-15.00	-15.89	-16.78	-17.66	-18.54	-19.41	-20.27	-21.12	-21.96	-22.79
171.0	6.80	-7.68	-8.68	-9.78	-10.97	-12.24	-13.58	-14.96	-16.39	-17.84	-19.30	-20.76	-22.21	-23.64	-25.02	-26.36	-27.63	-28.82	-29.92	-30.92
171.5	7.70	-8.34	-9.19	-10.20	-11.38	-12.68	-14.09	-15.59	-17.16	-18.77	-20.40	-22.03	-23.64	-25.21	-26.71	-28.12	-29.42	-30.60	-31.61	-32.46
172.0	8.70	-9.07	-9.70	-10.56	-11.62	-12.86	-14.23	-15.72	-17.30	-18.94	-20.60	-22.26	-23.90	-25.48	-26.97	-28.34	-29.58	-30.64	-31.50	-32.13
172.5	14.00	-14.52	-15.01	-15.46	-15.89	-16.30	-16.68	-17.05	-17.41	-17.76	-18.10	-18.44	-18.79	-19.15	-19.52	-19.90	-20.31	-20.74	-21.19	-21.68
173.0	18.00	-18.85	-19.32	-19.44	-19.26	-18.83	-18.18	-17.36	-16.41	-15.38	-14.30	-13.22	-12.19	-11.24	-10.42	-9.77	-9.34	-9.16	-9.28	-9.75
173.5	22.10	-23.58	-24.21	-24.08	-23.30	-21.95	-20.12	-17.92	-15.44	-12.77	-10.00	-7.23	-4.56	-2.08	12	1.95	3.30	4.08	4.21	3.58
174.0	22.60	-24.38	-25.22	-25.22	-24.49	-23.13	-21.25	-18.95	-16.34	-13.52	-10.60	-7.68	-4.86	-2.25	05	1.93	3.29	4.02	4.02	3.18
174.5	21.80	-23.82	-24.93	-25.22	-24.80	-23.77	-22.22	-20.27	-18.02	-15.56	-13.00	-10.44	-7.98	-5.73	-3.78	-2.23	-1.20	-78	-1.07	-2.18
175.0	20.90	-22.90	-24.08	-24.55	-24.40	-23.70	-22.56	-21.06	-19.29	-17.34	-15.30	-13.26	-11.31	-9.54	-8.04	-6.90	-6.20	-6.05	-6.52	-7.70
175.5	19.20	-20.40	-21.04	-21.17	-20.86	-20.18	-19.18	-17.93	-16.49	-14.93	-13.30	-11.67	-10.11	-8.67	-7.42	-6.42	-5.74	-5.43	-5.56	-6.20
176.0	21.60	-22.57	-22.89	-22.63	-21.86	-20.65	-19.08	-17.21	-15.13	-12.90	-10.60	-8.30	-6.07	-3.99	-2.12	-55	66	1.43	1.69	1.37
176.5	21.50	-21.45	-21.11	-20.50	-19.66	-18.62	-17.42	-16.08	-14.64	-13.14	-11.60	-10.06	-8.56	-7.12	-5.78	-4.58	-3.54	-2.70	-2.09	-1.75
177.0	19.80	-19.35	-18.82	-18.23	-17.57	-16.85	-16.09	-15.30	-14.48	-13.65	-12.80	-11.95	-11.12	-10.30	-9.51	-8.75	-8.03	-7.37	-6.78	-6.25
177.5	17.00	-16.64	-16.27	-15.89	-15.51	-15.12	-14.72	-14.32	-13.91	-13.51	-13.10	-12.69	-12.29	-11.88	-11.48	-11.08	-10.69	-10.31	-9.93	-9.56
178.0	13.50	-13.19	-13.00	-12.91	-12.90	-12.97	-13.10	-13.28	-13.50	-13.74	-14.00	-14.26	-14.50	-14.72	-14.90	-15.03	-15.10	-15.09	-15.00	-14.81
178.5	11.90	-11.84	-11.92	-12.13	-12.45	-12.86	-13.36	-13.91	-14.52	-15.15	-15.80	-16.45	-17.08	-17.69	-18.24	-18.74	-19.15	-19.47	-19.68	-19.76
179.0	9.30	-8.75	-8.57	-8.71	-9.14	-9.81	-10.68	-11.72	-12.88	-14.12	-15.40	-16.68	-17.92	-19.08	-20.12	-20.99	-21.66	-22.09	-22.23	-22.05
179.5	25.90	-25.34	-25.19	-25.43	-26.00	-26.85	-27.94	-29.21	-30.63	-32.14	-33.70	-35.26	-36.77	-38.19	-39.46	-40.55	-41.40	-41.97	-42.21	-42.07

APPENDIX III c

TPT 5L

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-199.5	4.00	7.5	-2.33	5.08	-7.33	8.90	9.69	9.83	9.49	8.85	8.10	-7.39	6.83	-6.51	6.50	6.90	-7.75	-8.91	-10.22	-11.51
-199.0	2.10	-1.30	-4.48	7.23	-9.35	-10.60	-10.87	10.34	9.32	8.08	6.90	6.04	5.58	-5.58	6.11	-7.20	-8.86	-10.83	-12.79	-14.42
-198.5	90	-2.18	-5.05	7.50	-9.32	-10.30	-10.32	9.59	8.43	7.13	6.00	-5.31	5.14	-5.53	6.54	-8.20	-10.48	-13.04	-15.43	-17.23
-198.0	-40	2.90	-5.23	-7.21	8.66	9.40	9.34	8.66	7.65	5.57	5.70	-5.27	-5.36	-6.05	7.37	9.40	-12.09	-15.06	-17.82	-19.89
-197.5	-2.80	-4.30	-5.67	-6.81	-7.59	-7.90	-7.67	-7.06	-6.28	-5.56	-5.10	-5.08	-5.53	-6.43	-7.75	-9.50	-11.60	-13.82	-15.86	-17.45
-197.0	-4.50	-4.97	-5.36	-5.60	-5.61	-5.30	-4.67	-3.93	-3.39	-3.31	-4.00	-5.62	-7.89	-10.42	-12.83	-14.70	-15.76	-16.10	-15.93	-15.46
-196.5	-7.20	-6.88	-6.50	-6.02	-5.37	-4.50	-3.43	-2.44	-1.90	-2.16	-3.60	-6.39	-9.99	-13.71	-16.81	-18.60	-18.58	-17.13	-14.88	-12.43
-196.0	8.00	-7.38	-6.75	-6.08	-5.37	-4.60	-3.80	-3.17	-2.98	-3.47	-4.90	-7.39	-10.48	-13.60	-16.17	-17.60	-17.49	-16.17	-14.14	-11.91
-195.5	-7.70	-7.18	-6.68	-6.22	-5.82	-5.50	-5.30	-5.35	-5.79	-6.76	-8.40	-10.76	-13.48	-16.13	-18.25	-19.40	-19.27	-18.11	-16.34	-14.33
-195.0	6.80	-6.70	-6.59	-6.48	-6.35	-6.20	-6.05	-6.02	-6.25	-6.86	-8.00	-9.72	-11.77	-13.79	-15.45	-16.40	-16.41	-15.70	-14.60	-13.46
-194.5	6.40	-6.41	-6.39	-6.32	-6.16	-5.90	-5.54	-5.21	-5.11	-5.42	-6.30	-7.85	-9.78	-11.72	-13.28	-14.10	-13.92	-13.00	-11.75	-10.55
-194.0	5.50	-5.07	-4.72	-4.56	-4.65	-5.10	-5.95	-7.13	-8.51	-9.97	-11.40	-12.68	-13.71	-14.40	-14.66	-14.40	-13.57	-12.34	-10.93	-9.54
-193.5	5.60	-4.55	-3.71	-3.28	-3.48	-4.50	-6.45	-9.00	-11.70	-14.12	-15.80	-16.43	-16.18	-15.32	-14.13	-12.90	-11.85	-10.94	-10.08	-9.16
-193.0	6.10	-5.62	-5.27	-5.21	-5.57	-6.50	-8.05	-9.92	-11.74	-13.13	-13.70	-13.22	-11.99	-10.45	-9.04	-8.20	-8.24	-8.91	-9.81	-10.57
-192.5	8.00	-8.69	-9.38	-10.07	-10.74	-11.40	-12.03	-12.56	-12.92	-13.03	-12.80	-12.21	-11.40	-10.57	-9.90	-9.60	-9.77	-10.21	-10.62	-10.71
-192.0	-7.80	-8.63	-9.44	-10.17	-10.80	-11.30	-11.64	-11.81	-11.82	-11.69	-11.40	-10.99	-10.56	-10.22	-10.09	-10.30	-10.90	-11.70	-12.47	-12.95
-191.5	7.20	-7.70	-8.19	-8.65	-9.06	-9.40	-9.67	-9.83	-9.89	-9.82	-9.60	-9.26	-8.96	-8.93	-9.37	-10.50	-12.41	-14.70	-16.87	-18.41
-191.0	-6.20	-8.12	-9.90	-11.38	-12.43	-12.90	-12.71	-12.08	-11.28	-10.59	-10.30	-10.60	-11.39	-12.48	-13.68	-14.80	-15.68	-16.28	-16.56	-16.51
-190.5	5.30	-9.85	-14.01	-17.37	-19.53	-20.10	-18.88	-16.46	-13.64	-11.22	-10.00	-10.53	-12.36	-14.82	-17.23	-18.90	-19.34	-18.80	-17.73	-16.58
-190.0	6.20	8.87	-11.29	-13.22	-14.40	-14.60	-13.69	-12.08	-10.30	-8.90	-8.40	-9.16	-10.82	-12.83	-14.64	-15.70	-15.63	-14.65	-13.15	-11.50
-189.5	-12.30	-11.93	-11.57	-11.24	-10.95	-10.70	-10.51	-10.36	-10.22	-10.08	-9.90	-9.69	-9.51	-9.46	-9.62	-10.10	-10.94	-12.04	-13.26	-14.46
-189.0	-10.20	-9.02	-8.04	-7.48	-7.53	-8.40	-10.18	-12.47	-14.77	-16.55	-17.30	-16.67	-14.95	-12.58	-10.02	-7.70	-6.03	-5.22	-5.44	-6.84
-188.5	-8.40	-7.93	-7.55	-7.33	-7.35	-7.70	-8.41	-9.33	-10.25	-10.98	-11.30	-11.11	-10.66	-10.29	-10.36	-11.20	-13.03	-15.55	-18.29	-20.82
-188.0	-12.10	-10.86	-9.72	-8.77	-8.10	-7.80	-7.94	-8.40	-9.04	-9.72	-10.30	-10.66	-10.87	-11.00	-11.15	-11.40	-11.83	-12.43	-13.18	-14.04
-187.5	-20.50	-16.25	-12.40	-9.34	-7.48	-7.20	-8.73	-11.54	-14.92	-18.18	-20.60	-21.65	-21.49	-20.43	-18.79	-16.90	-15.04	-13.35	-11.93	-10.88
-187.0	-11.00	-11.32	-11.51	-11.44	-10.98	-10.00	-8.48	-6.86	-5.71	-5.57	-7.00	-10.30	-14.70	-19.20	-22.77	-24.40	-23.39	-20.39	-16.34	-12.23
-186.5	5.10	-7.66	-10.17	-12.56	-14.79	-16.80	-18.53	-19.89	-20.82	-21.21	-21.00	-20.13	-18.71	-16.88	-14.80	-12.60	-10.45	-8.55	-7.14	-6.45
-186.0	-4.20	-10.62	-16.63	-21.82	-25.78	-28.10	-28.52	-27.39	-25.18	-22.39	-19.50	-16.94	-14.87	-13.41	-12.65	-12.70	-13.60	-15.07	-16.79	-18.41
-185.5	-8.20	-9.12	-9.95	-10.63	-11.07	-11.20	-10.98	-10.55	-10.10	-9.82	-9.90	-10.47	-11.39	-12.50	-13.59	-14.50	-15.06	-15.27	-15.15	-14.72
-185.0	-5.90	-6.99	-7.95	-8.66	-8.98	-8.80	-8.07	-7.14	-6.41	-6.33	-7.30	-9.57	-12.60	-15.66	-18.04	-19.00	-18.08	-15.80	-12.97	-10.38
-184.5	-5.30	-8.46	-11.47	-14.16	-16.39	-18.00	-18.86	-18.98	-18.39	-17.12	-15.20	-12.74	-10.13	-7.84	-6.34	-6.10	-7.40	-9.73	-12.40	-14.73
-184.0	-18.50	-17.62	-16.70	-15.73	-14.67	-13.50	-12.22	-10.95	-9.87	-9.13	-8.90	-9.28	-10.09	-11.10	-12.08	-12.80	-13.07	-12.97	-12.59	-12.06
-183.5	-26.80	-26.75	-26.67	-26.54	-26.33	-26.00	-25.52	-24.78	-23.66	-22.04	-19.80	-16.91	-13.71	-10.63	-8.08	-6.50	-6.16	-6.72	-7.69	-8.58
-183.0	30.00	-25.77	-21.82	-18.43	-15.86	-14.40	-14.20	-14.92	-16.10	-17.28	-18.00	-17.92	-17.17	-16.02	-14.71	-13.50	-12.59	-11.97	-11.55	-11.25
-182.5	-20.40	-16.01	-11.97	-8.64	-6.37	-5.50	-6.22	-8.00	-10.14	-11.94	-12.70	-11.96	-10.26	-8.35	-7.01	-7.00	-8.83	-11.95	-15.53	-18.76
-182.0	-10.70	-11.38	-12.01	-12.57	-13.01	-13.30	-13.40	-13.30	-13.00	-12.50	-11.80	-10.91	-9.92	-8.90	-7.97	-7.20	-6.70	-6.59	-6.97	-7.97
-181.5	5.90	-14.22	-12.69	-11.46	-10.68	-10.50	-10.99	-11.88	-12.82	-13.48	-13.50	-12.66	-11.21	-9.54	-8.01	-7.00	-6.78	-7.20	-8.00	-8.92
-181.0	-17.20	-14.35	-11.77	-9.72	-8.48	-8.30	-9.33	-11.20	-13.40	-15.43	-16.80	-17.11	-16.47	-15.06	-13.10	-10.80	-8.37	-6.11	-4.31	-3.27
-180.5	-10.90	-11.07	-11.28	-11.57	-11.96	-12.50	-13.18	-13.84	-14.29	-14.30	-13.70	-12.35	-10.42	-8.19	-5.89	-3.80	-2.16	-1.23	-1.26	-2.50
-180.0	-4.50	-6.22	-7.80	-9.07	-9.89	-10.10	-9.65	-8.82	-8.00	-7.57	-7.90	-9.21	-11.06	-12.81	-13.87	-13.60	-11.64	-8.60	-5.32	-2.67
-179.5	-90	-159.0	-12.68	-17.30	-20.41	-21.50	-20.29	-17.39	-13.65	-9.90	-7.00	-5.56	-5.35	-5.90	-6.77	-7.74	-7.74	-7.56	-7.14	-6.66
-179.0	-4.70	-6.42	-8.02	-9.41	-10.47	-11.10	-11.23	-10.99	-10.56	-10.10	-9.80	-9.78	-9.94	-10.16	-10.29	-10.20	-9.80	-9.19	-8.53	-7.98
-178.5	-4.90	-7.43	-9.80	-11.85	-13.40	-14.30	-14.44	-13.93	-12.92	-11.59	-10.10	-8.60	-7.22	-6.08	-5.30	-5.00	-5.25	-5.92	-6.84	-7.84

ASPECT ANGLE	BISTATIC ANGLE																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
158.0	-6.80	-11.79	-16.31	-19.88	-22.04	-22.30	-20.42	-17.00	-12.87	-8.86	-5.80	-4.29	-4.10	-4.74	-5.76	-6.70	-7.19	-7.32	-7.25	-7.19
157.5	-11.00	-9.01	-7.27	-6.04	-5.56	-6.10	-7.76	-10.11	-12.56	-14.55	-15.50	-15.03	-13.54	-11.65	-9.97	-9.10	-9.49	-10.91	-12.99	-15.35
157.0	-13.10	-13.38	-13.87	-14.76	-16.27	-18.60	-21.78	-25.17	-27.94	-29.29	-28.40	-24.81	-19.49	-13.81	-9.10	-6.70	-7.52	-10.69	-14.90	-18.84
156.5	-10.40	-9.41	-8.70	-8.52	-9.17	-10.90	-13.83	-17.40	-20.91	-23.65	-24.90	-24.18	-21.93	-18.81	-15.47	-12.60	-10.69	-9.64	-9.18	-9.06
156.0	-14.60	-15.97	-17.26	-18.39	-19.30	-19.90	-20.14	-20.06	-19.72	-19.18	-18.50	-17.73	-16.89	-15.98	-15.02	-14.00	-12.96	-12.02	-11.31	-10.99
155.5	-4.30	-6.78	-9.09	-11.04	-12.47	-13.20	-13.14	-12.58	-11.87	-11.39	-11.50	-12.43	-13.88	-15.40	-16.56	-16.90	-16.15	-14.64	-12.87	-11.32
155.0	-8.70	-10.45	-12.05	-13.37	-14.27	-14.60	-14.30	-13.62	-12.88	-12.40	-12.50	-13.37	-14.68	-15.95	-16.72	-16.50	-15.02	-12.73	-10.27	-8.28
154.5	-5.50	-5.04	-4.76	-4.82	-5.41	-6.70	-8.76	-11.26	-13.77	-15.86	-17.10	-17.20	-16.46	-15.32	-14.22	-13.60	-13.78	-14.58	-15.67	-16.75
154.0	-14.50	-14.50	-14.56	-14.74	-15.10	-15.70	-16.55	-17.44	-18.12	-18.33	-17.80	-16.42	-14.58	-12.82	-11.69	-11.70	-13.19	-15.58	-18.12	-20.02
153.5	-23.20	-21.70	-20.15	-18.49	-16.66	-14.60	-12.34	-10.22	-8.65	-8.04	-8.80	-11.14	-14.40	-17.73	-20.25	-21.10	-19.74	-16.92	-13.69	-11.13
153.0	-15.00	-12.81	-10.76	-8.99	-7.66	-6.90	-6.79	-7.15	-7.74	-8.30	-8.60	-8.47	-8.08	-7.71	-7.59	-8.00	-9.08	-10.57	-12.09	-13.26
152.5	-8.60	-7.94	-7.38	-7.02	-6.96	-7.30	-8.09	-9.14	-10.21	-11.08	-11.50	-11.31	-10.67	-9.80	-8.94	-8.30	-8.08	-8.27	-8.84	-9.73
152.0	-15.70	-12.55	-9.71	-7.47	-6.13	-6.00	-7.23	-9.41	-11.94	-14.26	-15.80	-16.14	-15.52	-14.33	-12.96	-11.80	-11.17	-11.06	-11.37	-12.02
151.5	-9.20	-9.47	-9.68	-9.79	-9.75	-9.50	-9.02	-8.42	-7.82	-7.37	-7.20	-7.39	-7.85	-8.42	-8.95	-9.30	-9.35	-9.12	-8.69	-8.13
151.0	-6.10	-8.36	-10.45	-12.22	-13.49	-14.10	-13.96	-13.23	-12.19	-11.06	-10.10	-9.51	-9.30	-9.42	-9.83	-10.50	-11.37	-12.33	-13.29	-14.11
150.5	-6.00	-7.20	-8.42	-9.66	-10.95	-12.30	-13.67	-14.83	-15.48	-15.33	-14.10	-11.66	-8.60	-5.65	-3.57	-3.10	-4.71	-7.78	-11.39	-14.63
150.0	-9.30	-10.79	-12.25	-13.62	-14.89	-16.00	-16.91	-17.56	-17.84	-17.68	-17.00	-15.77	-14.21	-12.61	-11.25	-10.40	-10.26	-10.64	-11.24	-11.79
149.5	0.0	-4.54	-8.86	-12.77	-16.05	-18.50	-19.95	-20.48	-20.18	-19.19	-17.60	-15.57	-13.38	-11.33	-9.73	-8.90	-9.02	-9.82	-10.88	-11.81
149.0	-8.90	-8.34	-7.95	-7.90	-8.36	-9.50	-11.37	-13.56	-15.50	-16.66	-16.50	-14.68	-11.76	-8.50	-5.66	-4.00	-4.07	-5.52	-7.77	-10.25
148.5	-3.70	-5.29	-6.80	-8.11	-9.14	-9.80	-10.04	-10.02	-9.95	-10.04	-10.50	-11.45	-12.68	-13.88	-14.76	-15.00	-14.44	-13.40	-12.36	-11.77
148.0	1.40	-2.57	-6.31	-9.60	-12.21	-13.90	-14.56	-14.46	-13.98	-13.50	-13.40	-13.94	-14.92	-16.02	-16.92	-17.30	-16.94	-15.99	-14.71	-13.37
147.5	9.10	-8.12	-7.22	-6.50	-6.03	-5.90	-6.17	-6.75	-7.54	-8.43	-9.30	-10.06	-10.66	-11.06	-11.22	-11.10	-10.70	-10.17	-9.71	-9.49
147.0	-8.70	-10.96	-13.05	-14.79	-15.99	-16.50	-16.20	-15.25	-13.89	-12.36	-10.90	-9.70	-8.83	-8.30	-8.15	-8.40	-9.04	-9.92	-10.86	-11.68
146.5	-14.10	-13.15	-12.27	-11.54	-11.03	-10.80	-10.90	-11.25	-11.73	-12.22	-12.60	-12.79	-12.78	-12.62	-12.31	-11.90	-11.44	-11.07	-10.99	-11.37
146.0	-2.70	-5.68	-8.38	-10.52	-11.82	-12.00	-10.93	-9.10	-7.16	-5.75	-5.50	-6.83	-9.21	-11.87	-14.06	-15.00	-14.17	-12.02	-9.22	-6.45
145.5	-6.70	-7.28	-7.83	-8.32	-8.72	-9.00	-9.14	-9.17	-9.11	-9.01	-8.90	-8.81	-8.74	-8.68	-8.64	-8.60	-8.57	-8.55	-8.55	-8.60
145.0	-6.20	-7.27	-8.18	-8.76	-8.86	-8.30	-7.03	-5.40	-3.85	-2.83	-2.80	-4.03	-6.17	-8.70	-11.08	-12.80	-13.50	-13.50	-13.27	-13.31
144.5	-5.80	-7.29	-8.70	-9.96	-10.98	-11.70	-12.06	-12.09	-11.85	-11.40	-10.80	-10.12	-9.50	-9.09	-9.04	-9.50	-10.53	-11.86	-13.09	-13.86
144.0	-5.50	-6.04	-6.59	-7.19	-7.85	-8.60	-9.42	-10.20	-10.79	-11.04	-10.80	-10.00	-8.85	-7.61	-6.57	-6.00	-6.11	-6.81	-7.96	-9.41
143.5	-8.90	-6.81	-4.94	-3.54	-2.81	-3.00	-4.20	-6.03	-7.97	-9.49	-10.10	-9.45	-7.94	-6.16	-4.69	-4.10	-4.81	-6.55	-8.87	-11.33
143.0	-8.20	-10.18	-11.85	-12.90	-13.02	-11.90	-9.41	-6.13	-2.81	-2.22	90	04	-2.23	-5.11	-7.77	-9.40	-9.44	-8.40	-7.03	-6.11
142.5	-6.90	-6.28	-5.67	-5.08	-4.52	-4.00	-3.55	-3.29	-3.39	-3.97	-5.20	-7.12	-9.38	-11.53	-13.12	-13.70	-13.00	-11.52	-9.92	-8.89
142.0	-13.00	-14.37	-15.47	-16.04	-15.80	-14.50	-12.01	-8.82	-5.55	-2.83	-1.30	-1.39	-2.77	-4.92	-7.34	-9.50	-10.99	-11.82	-12.11	-11.96
141.5	-3.10	-5.88	-8.41	-10.46	-11.77	-12.10	-11.33	-9.79	-7.95	-6.27	-5.20	-5.06	-5.62	-6.46	-7.22	-7.50	-7.04	-6.11	-5.09	-4.39
141.0	-3.50	-3.98	-4.58	-5.40	-6.57	-8.20	-10.31	-12.53	-14.43	-15.53	-15.40	-13.76	-11.06	-7.94	-5.04	-3.00	-2.29	-2.70	-3.87	-5.42
140.5	-4.30	-2.19	-42	70	81	-40	-3.09	-6.70	-10.46	-13.65	-15.50	-15.50	-14.05	-11.76	-9.27	-7.20	-6.04	-5.70	-5.98	-6.65
140.0	-8.20	-5.90	-3.79	-2.05	-86	-40	-77	-1.72	-2.91	-3.98	-4.60	-4.54	-4.06	-3.51	-3.27	-3.70	-5.05	-7.07	-9.41	-11.71
139.5	-7.00	-6.76	-6.53	-6.33	-6.19	-6.10	-6.09	-6.12	-6.19	-6.26	-6.30	-6.30	-6.31	-6.36	-6.51	-6.80	-7.27	-7.84	-8.45	-8.99
139.0	-2.20	-3.21	-4.13	-4.87	-5.32	-5.40	-5.06	-4.47	-3.84	-3.38	-3.30	-3.75	-4.59	-5.64	-6.67	-7.50	-7.98	-8.23	-8.40	-8.67
138.5	-8.70	-7.70	-6.84	-6.23	-6.01	-6.30	-7.18	-8.45	-9.88	-11.21	-12.20	-12.65	-12.58	-12.03	-11.09	-9.80	-8.27	-6.71	-5.41	-4.62
138.0	-2.40	-1.95	-1.68	-1.80	-2.47	-3.90	-6.16	-8.92	-11.71	-14.08	-15.60	-15.95	-15.39	-14.36	-13.25	-12.50	-12.39	-12.75	-13.29	-13.70
137.5	-5.50	-1.66	-2.74	-3.67	-4.38	-4.80	-4.90	-4.83	-4.82	-5.07	-5.80	-7.13	-8.88	-10.79	-12.58	-14.00	-14.85	-15.18	-15.13	-14.63
137.0	-2.20	-1.68	-1.23	-0.94	-0.87	-1.10	-1.68	-2.53	-3.55	-4.64	-5.70	-6.65	-7.51	-8.33	-9.14	-10.00	-10.92	-11.83	-12.64	-13.27

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
136.5	5.30	-4.66	-4.10	-3.72	-3.59	-3.80	-4.40	-5.30	6.37	-7.48	-8.50	-9.33	10.03	-10.67	-11.33	-12.10	-13.01	-13.88	-14.50	-14.65
136.0	-9.0	-2.15	-3.31	-4.27	-4.93	-5.20	-5.03	-4.55	3.98	-3.50	-3.30	-3.56	-4.33	-5.65	-7.57	-10.10	-13.01	-16.47	-19.41	-21.52
135.5	-8.40	-7.97	-7.60	-7.36	-7.30	-7.50	-7.97	-8.55	-9.05	9.27	-9.00	-8.14	-6.97	-5.84	-5.13	-5.20	-6.27	-7.99	-9.86	-11.36
135.0	-6.40	-5.51	-4.78	-4.36	-4.42	-5.10	-6.48	-8.24	-10.00	-11.35	-11.90	-11.41	-10.22	-8.83	-7.76	-7.50	-8.39	-10.12	-12.21	-14.20
134.5	-1.40	-1.94	-2.51	-3.14	-3.86	-4.70	-5.66	-6.64	-7.49	-8.09	-8.30	-8.05	-7.52	-6.97	-6.65	-6.80	-7.60	-8.85	-10.30	-11.67
134.0	-3.10	-2.95	-2.80	-2.68	-2.57	-2.50	-2.48	-2.59	-2.92	-3.56	-4.60	-6.08	-7.88	-9.81	-11.71	-13.40	-14.72	-15.59	-16.93	-18.68
133.5	-2.0	-2.6	-4.2	-8.0	-1.49	-2.60	-4.18	-6.06	-7.99	-9.75	-11.10	-11.86	-12.05	-11.79	-11.14	-10.20	-9.09	-8.00	-7.19	-6.88
133.0	-4.90	-5.36	-5.80	-6.20	-6.54	-6.80	-6.96	-7.02	-6.99	6.89	6.70	-6.30	6.15	-5.83	-5.50	-5.20	-4.93	-4.65	-4.32	-3.89
132.5	-1.10	-2.39	-3.63	-4.77	-5.78	-6.60	-7.19	-7.54	-7.63	-7.45	-7.00	-6.30	5.54	-4.96	-4.77	-5.20	-6.37	-7.93	-9.42	10.36
132.0	-2.0	-3.4	-5.1	-7.6	-1.11	-1.60	-2.26	-3.07	-4.01	-5.06	-6.20	-7.40	-8.57	-9.64	-10.51	-11.10	-11.34	-11.28	-10.99	-10.54
131.5	-5.90	-3.77	-1.87	-4.5	2.5	0.0	-1.33	-3.37	-5.64	-7.68	-9.00	-9.28	-8.84	-8.17	-7.73	-8.00	-9.30	-11.29	-13.46	-15.30
131.0	1.0	-3.58	-6.92	-9.56	-11.17	-11.40	-10.08	-7.77	-5.20	3.10	-2.20	-3.01	-5.09	-7.77	-10.40	-12.30	-12.98	-12.61	-11.53	-10.08
130.5	-8.30	-7.94	-7.61	-7.34	-7.16	-7.10	-7.18	-7.34	-7.52	-7.67	-7.70	-7.58	-7.30	-6.88	-6.34	-5.70	-4.98	-4.26	-3.64	-3.18
130.0	-7.80	-5.86	-4.07	-2.56	-1.49	-1.00	-1.18	-1.91	-3.02	-4.34	-5.70	-6.94	-7.95	-8.62	-8.84	-8.50	-7.57	-6.27	-4.90	-3.74
129.5	-5.30	-3.67	-2.32	-1.50	-1.51	-2.60	-4.90	-7.95	-11.13	-13.82	-15.40	-15.44	-14.20	-12.12	-9.64	-7.20	-5.18	-3.72	-2.87	-2.71
129.0	-11.30	-10.94	-10.62	-10.37	-10.21	-10.20	-10.34	-10.60	-10.91	-11.23	-11.50	-11.67	-11.76	-11.78	-11.75	-11.70	-11.64	-11.60	-11.60	-11.66
128.5	1.40	-1.9	-1.76	-3.27	-4.69	-6.00	-7.16	-8.10	-8.74	-9.00	-8.80	-8.11	-7.10	-5.97	-4.93	-4.20	-3.95	-4.23	-5.07	-6.48
128.0	-5.20	-5.14	-5.09	-5.07	-5.11	-5.20	-5.38	-5.68	-6.13	-6.80	-7.70	-8.84	-9.99	-10.90	-11.29	-10.90	-9.57	-7.61	-5.42	-3.41
127.5	-4.20	-4.09	-3.96	-3.81	-3.63	-3.40	-3.15	-3.04	-3.28	-4.07	-5.60	-7.96	-10.77	-13.52	-15.70	-16.80	-16.49	-15.06	-12.99	-10.75
127.0	-3.00	-2.43	-2.09	-2.20	-2.99	-4.70	-7.41	-10.69	-13.96	-16.65	-18.20	-18.21	-17.06	-15.30	-13.50	-12.20	-11.81	-12.69	-12.69	-13.19
126.5	-2.50	-2.46	-2.41	-2.34	-2.24	-2.10	-1.94	-1.87	-2.06	-2.65	-3.80	-5.56	-7.61	-9.54	-10.94	-11.40	-11.67	-9.17	-7.47	6.16
126.0	-10.00	-8.85	-7.90	-7.34	-7.37	8.20	9.91	-12.18	-14.57	-16.65	-18.00	-18.30	-17.69	-16.46	-14.88	-13.20	-11.66	-10.29	-9.06	-7.97
125.5	8.0	1.21	1.52	1.62	1.42	8.0	-3.0	-1.80	-3.61	-5.61	-7.70	-9.76	-11.59	-12.98	-13.72	-13.60	-12.51	-10.74	-8.68	6.74
125.0	-7.00	-5.15	-3.44	-1.99	-9.3	-10.25	-10.50	-8.42	-2.06	-3.28	-4.60	-5.89	-7.06	-8.02	-8.70	-9.00	-8.89	-8.51	-8.06	-7.73
124.5	-2.60	-5.07	-7.32	-9.12	-10.25	-15.40	-12.67	-8.80	-4.76	-6.03	-6.00	-7.25	-9.36	-11.71	-13.70	-14.70	-14.30	-12.85	-10.87	-8.91
124.0	-7.20	-10.51	-13.41	-15.47	-16.27	-15.40	-9.80	-4.92	-3.69	-2.41	-1.30	-2.12	-3.64	-5.44	-7.07	-8.10	-8.24	-7.74	-7.02	-6.47
123.5	-8.0	-2.45	-3.94	-5.09	-5.73	-5.70	-4.92	-3.69	-2.41	-1.48	-1.30	-2.12	-3.64	-5.44	-7.07	-8.10	-8.24	-7.74	-7.02	-6.47
123.0	-6.50	-8.01	-9.32	-10.19	-10.42	-9.80	-8.22	-6.03	-3.70	-1.67	-4.0	-2.4	-1.09	-2.69	-4.84	-7.30	-9.83	-12.16	-14.01	-15.08
122.5	-5.10	-3.69	-2.43	-1.45	-8.9	-9.0	-1.55	-2.62	-3.86	-4.98	-5.70	-5.88	-5.87	-6.16	-7.21	-9.50	-13.27	-17.78	-22.03	-25.04
122.0	-7.80	-7.00	-6.22	-5.47	-4.75	-4.10	-3.52	-3.06	-2.77	-2.70	-2.90	-3.39	-4.09	-4.89	-5.70	-6.40	-6.93	-7.36	-7.81	-8.39
121.5	-3.20	-1.92	-7.6	1.9	8.1	1.00	6.9	-0.2	-9.5	-1.97	-2.90	-3.64	-4.27	-4.89	-5.63	-6.60	-7.87	-9.27	-10.60	-11.65
121.0	-5.10	-3.49	-2.15	-1.37	-1.43	-2.60	-5.02	-8.22	-11.59	-14.52	-16.40	-16.80	-16.00	-14.46	-12.64	-11.00	-9.91	-9.35	-9.22	-9.41
120.5	-7.90	-5.54	-3.40	-1.73	-7.5	-7.0	-1.70	-3.45	-5.55	-7.60	-9.20	-10.04	-10.19	-9.84	-9.15	-8.30	-7.45	-6.73	-6.26	-6.14
120.0	-8.90	-7.20	-5.66	-4.45	-3.74	-3.70	-4.41	-5.66	-7.15	-8.60	-9.70	-10.24	-10.32	-10.09	-9.73	-9.46	-9.23	-9.18	-9.17	-9.14
119.5	-2.80	-6.8	1.18	2.50	3.03	2.50	7.8	-1.69	-4.34	-6.60	-7.90	-7.87	-6.96	-5.82	-5.12	-5.50	-7.38	-10.19	-13.12	-15.36
119.0	-6.90	-4.90	-3.10	-1.68	-8.5	8.0	-1.63	-3.05	-4.68	-6.16	-7.10	-7.24	-6.82	-6.19	-5.70	-5.70	-6.41	-7.54	-8.63	-9.27
118.5	-6.20	-8.26	-10.16	-11.72	-12.79	-13.20	-12.86	-11.97	-10.81	-9.66	-8.80	-8.43	-8.48	-8.77	-9.17	-9.50	-9.65	-9.63	-9.47	-9.21
118.0	0.0	-2.22	-4.35	-6.28	-7.93	-9.20	-10.03	-10.52	-10.81	-11.02	-11.30	-11.74	-12.25	-12.71	-13.01	-13.00	-12.61	-11.92	-11.02	-10.05
117.5	-3.90	-4.95	-5.91	-6.71	-7.27	-7.50	-7.37	-7.08	-6.86	-6.95	-7.60	-8.95	-10.75	-12.67	-14.36	-15.50	-15.83	-15.43	-14.49	-13.19
117.0	-4.10	-5.40	-6.62	-7.67	-8.46	-8.90	-8.95	-8.72	-8.35	-8.00	-7.80	-7.85	-8.03	-8.15	-8.03	-7.50	-6.46	-5.20	-4.07	-3.45
116.5	3.0	-2.2	-8.3	-1.63	-2.73	-4.20	-6.09	-8.17	-10.16	-11.76	-12.70	-12.76	-12.07	-10.80	-9.14	-7.30	-5.46	-3.80	-2.53	-1.83
116.0	-13.20	-10.24	-7.61	-5.61	-4.57	-4.80	-6.46	-9.02	-11.78	-14.04	-15.10	-14.50	-12.66	-10.26	-7.95	-6.40	-6.08	-6.71	-7.82	8.94
115.5	-7.60	-8.77	-9.83	-10.67	-11.20	-11.30	-10.92	-10.17	-9.24	-8.29	-7.50	-6.99	-6.71	-6.56	-6.42	-6.20	-5.82	5.32	4.76	4.20

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-115.0	-9.60	-7.03	-4.73	-3.00	-2.09	-2.30	-3.76	6.08	8.72	-11.14	-12.80	-13.33	-12.94	-12.02	-10.95	-10.10	-9.75	-9.78	-9.96	-10.08
-114.5	-10.50	-9.61	-8.87	-8.41	8.37	-8.90	-10.04	-11.50	-12.85	-13.72	-13.70	-12.54	-10.57	8.28	6.16	4.70	-4.24	4.58	-5.38	-6.30
-114.0	-2.10	-3.45	-4.86	-6.40	-8.12	-10.10	-12.32	-14.53	-16.40	-17.60	-17.80	-16.80	-14.92	-12.56	-10.18	-8.20	-6.95	-6.35	-6.22	-6.40
-113.5	-3.70	-5.72	-7.62	-9.31	-10.68	-11.60	-12.02	-12.05	-11.84	-11.54	-11.30	-11.23	-11.24	-11.18	-10.91	-10.30	-9.27	-8.03	-6.93	-6.11
-113.0	-2.30	-5.77	-8.93	-11.48	-13.10	-13.50	-12.52	-10.63	-8.46	-6.64	-5.80	-6.35	-7.87	-9.70	-11.19	-11.70	-10.77	-8.69	-5.93	-2.98
-112.5	-1.10	-4.77	-8.15	-10.92	-12.81	-13.50	-12.86	-11.37	-9.67	-8.40	-8.20	-9.49	-11.75	-14.25	-16.24	-17.00	-16.01	-13.72	-10.77	-7.84
-112.0	-6.50	-6.18	-5.95	-5.87	-6.03	-6.50	-7.32	-8.33	9.32	-10.08	-10.40	-10.13	9.36	-8.22	-6.86	-5.40	-3.99	-2.74	-1.75	-1.14
-111.5	-10.90	-9.61	-8.41	-7.39	-6.66	-6.30	-6.40	-7.00	-8.14	-9.86	-12.20	-15.09	-18.07	-20.59	-22.09	-22.00	-19.99	-16.55	-12.43	-8.34
-111.0	-10.70	-10.09	-9.50	-8.95	-8.44	-8.00	-7.64	-7.36	-7.15	-7.00	-6.90	-6.86	-6.93	-7.15	-7.59	-8.30	-9.29	-10.42	-11.49	-12.31
-110.5	-2.70	-3.57	-4.42	-5.23	-5.96	-6.60	-7.14	-7.64	-8.16	-8.79	-9.60	-10.59	-11.53	-12.10	-11.99	-10.90	-8.67	-5.76	-2.78	-1.32
-110.0	-9.90	-8.25	-6.84	-5.92	-5.72	-6.50	-8.36	-10.87	-13.47	-15.60	-16.70	-16.37	-14.89	-12.71	-10.26	-8.00	-6.28	-5.14	-4.53	-4.40
-109.5	-9.30	-9.08	-8.98	-9.13	-9.66	-10.70	-12.27	-13.99	-15.41	-16.03	-15.40	-13.25	-10.15	-5.88	-4.24	-3.00	-3.67	-5.66	-8.09	-10.09
-109.0	-5.20	-5.51	-5.77	-5.94	-5.96	-5.80	-5.41	-4.80	-3.98	-2.98	-1.80	-1.50	-0.76	1.77	2.35	2.30	1.50	-1.35	-2.78	-4.06
-108.5	2.50	2.7	-1.93	-4.08	-6.15	-8.10	-9.90	-11.48	-12.73	-13.57	-13.90	-13.68	-13.06	-11.28	-11.28	-10.50	-9.96	-9.52	-8.96	-8.06
-108.0	1.20	-3.37	-7.63	-11.29	-14.05	-15.60	-15.76	-14.82	-13.18	-11.24	-9.40	-8.01	-7.15	-6.86	-7.16	-8.10	-9.62	-11.41	-13.05	-14.15
-107.5	-9.90	-10.51	-11.00	-11.24	-11.12	-10.50	-9.33	-7.77	-6.06	-4.43	-3.10	-2.27	-1.96	2.14	-2.79	-3.90	-5.39	-6.99	-8.37	-9.21
-107.0	-8.90	-8.56	-8.24	-7.98	-7.79	-7.70	-7.71	-7.75	-7.71	-7.50	-7.00	-6.16	-5.08	3.89	-2.71	-1.70	-0.95	-0.47	-0.23	-0.22
-106.5	-4.30	-5.19	-5.96	-6.49	-6.64	-6.30	-5.42	-4.27	-3.19	-2.52	-2.60	-3.64	-5.30	-7.10	-8.56	-9.20	-8.71	-7.41	-5.80	-4.36
-106.0	-8.80	-9.55	-10.09	-10.21	-9.72	-8.40	-6.18	-3.51	-0.96	0.87	1.40	2.9	-1.86	-4.23	-5.99	-6.30	-4.64	-1.70	1.53	4.06
-105.5	-16.60	-13.46	-10.50	-7.90	-5.84	-4.50	-3.98	-4.11	-4.62	-5.27	-5.80	-6.01	-5.91	-5.60	-5.13	-4.60	-4.05	-3.44	-2.70	-1.78
-105.0	-5.40	-4.83	-4.34	-4.02	-3.94	-4.20	-4.83	-5.68	-6.59	-7.35	-7.80	-7.78	-7.32	-6.48	-5.32	-3.90	-2.33	-0.86	1.18	5.1
-104.5	-11.10	-11.43	-11.62	-11.51	-10.95	9.80	-8.00	-5.85	-3.75	-2.10	-1.30	-1.61	-2.78	-4.44	-6.20	-7.70	-8.60	-8.80	-8.22	6.81
-104.0	.80	3.9	-0.8	-6.7	-1.42	2.40	3.62	-4.92	-6.08	-6.91	-7.20	-6.82	-6.00	-5.02	-4.19	-3.80	-4.04	-4.62	-5.12	-5.15
-103.5	-8.90	-5.22	-1.94	.55	1.87	1.60	-4.4	-3.67	7.31	-10.58	-12.70	-13.11	-12.18	-10.47	-8.59	-7.10	-6.43	-6.31	-6.32	6.02
-103.0	-3.60	-5.07	-6.42	-7.54	-8.30	-8.60	-8.35	-7.67	-6.68	-5.54	-4.40	-3.37	-2.50	-1.80	-1.29	-1.00	-0.90	-0.82	-0.54	1.2
-102.5	-4.30	-2.50	-0.98	-0.4	.05	-1.00	-3.31	-6.37	-9.50	-12.00	-13.20	-12.64	-10.76	-8.20	-5.63	-3.70	-2.87	-2.81	-3.03	-2.99
-102.0	-3.70	-5.19	-6.61	-7.88	-8.93	-9.70	-10.12	-10.19	-9.92	-9.32	-8.40	-7.18	-5.69	-3.96	-2.02	-1.0	2.35	4.62	6.80	8.76
-101.5	-3.60	-6.56	-9.20	-11.19	-12.19	-11.90	-10.14	-7.38	-4.27	-1.43	50	1.08	.67	-1.8	-.92	-1.00	-0.03	1.69	3.71	5.57
-101.0	2.20	-1.02	-3.99	-6.46	-8.18	-8.90	-8.49	-7.30	-5.82	-4.53	-3.90	-4.25	-5.17	-6.10	-6.46	-5.70	-3.44	-1.2	3.61	7.10
-100.5	-6.40	-6.23	-5.95	-5.44	-4.60	-3.30	-1.53	37	1.97	2.82	2.50	78	-1.74	4.24	-5.90	-5.90	-3.72	.01	4.38	8.48
-100.0	-3.70	-5.44	-6.98	-8.12	-8.66	-8.40	-7.24	-5.51	-3.66	-2.11	-1.30	-1.50	-2.28	-3.03	-3.18	-2.10	54	4.10	7.68	10.38
-99.5	-2.70	-3.53	-4.28	-4.89	-5.29	-5.40	-5.18	-4.70	-4.06	-3.36	-2.70	-2.15	-1.64	-1.06	-.32	.70	2.02	3.43	4.62	5.31
-99.0	-7.10	-4.58	-2.22	-.20	1.33	2.20	2.32	1.92	1.29	.75	.60	1.05	1.93	3.00	4.01	4.70	4.89	4.65	4.13	3.47
-98.5	-9.90	-7.96	-6.06	-4.24	-2.54	-1.00	.32	1.28	1.74	1.53	.50	-1.38	-3.64	-5.72	-7.03	-7.00	-5.27	-2.43	77	3.37
-98.0	-2.10	-.48	.97	2.07	2.63	2.50	1.60	.36	-.71	-1.07	-.20	2.22	5.62	9.24	12.29	14.00	13.84	12.22	9.82	7.29
-97.5	-2.20	-.23	1.55	2.95	3.80	3.90	3.19	2.13	1.29	1.26	2.60	5.63	9.58	13.38	16.01	16.40	13.91	9.45	4.35	1.07
-97.0	-7.80	-7.64	-7.44	-7.19	-6.85	-6.40	-5.81	-5.07	-4.19	-3.17	-2.00	-.71	.56	1.67	2.47	2.80	2.55	1.81	.71	1.64
-96.5	-1.20	-1.03	-.79	-.43	.11	.90	1.96	3.18	4.43	5.55	6.40	6.88	7.04	6.97	6.76	6.50	6.25	5.90	5.33	4.41
-96.0	-10.40	-7.42	-4.54	-1.86	.52	2.50	4.02	5.12	5.91	6.47	6.90	7.23	7.30	6.91	5.85	3.90	1.00	-2.33	-5.46	-7.73
-95.5	-.10	.33	.87	1.66	2.79	4.40	6.48	8.59	10.14	10.57	9.30	6.03	1.53	-3.20	-7.12	-9.20	-8.76	-6.39	-3.05	32
-95.0	-4.60	-5.78	-6.67	-6.96	-6.37	-4.60	-1.54	2.17	5.70	8.22	8.90	7.23	3.97	.19	-3.02	-4.60	-3.81	-1.29	1.98	5.00
-94.5	-6.70	-4.88	-3.07	-1.29	-.48	2.20	3.86	5.33	6.49	7.19	7.30	6.75	5.74	4.52	3.36	2.50	3.81	1.97	1.74	1.00
-94.0	.30	1.58	2.86	4.13	5.38	6.60	7.75	8.64	9.02	8.65	7.30	4.88	1.87	-1.09	-3.36	-4.30	-3.52	-1.56	1.78	2.73

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-93.5	-80	1.10	2.90	4.50	5.80	6.70	7.12	7.06	6.52	5.53	4.10	2.29	.31	-1.57	-3.10	-4.00	-4.13	-3.73	-3.19	2.86
-93.0	-1.10	.60	2.22	3.71	4.99	6.00	6.67	6.99	6.96	6.56	5.80	4.69	3.31	1.78	.21	-1.30	-2.64	-3.74	-4.52	4.93
-92.5	8.70	7.70	6.79	6.08	5.65	5.60	5.95	6.42	6.65	6.26	4.90	2.34	-1.07	-4.89	-8.62	-11.80	-14.04	-15.30	-15.61	-14.99
-92.0	1.00	4.83	8.24	10.83	12.19	11.90	9.74	6.28	2.25	-1.59	-4.50	-5.95	-6.30	-6.13	-6.04	-6.60	-8.19	-10.34	-12.37	-13.58
-91.5	7.30	7.36	7.31	7.04	6.44	5.40	3.86	1.97	-.09	2.11	-3.90	-5.32	-6.40	-7.25	-7.95	-8.60	-9.24	-9.71	-9.79	-9.30
-91.0	8.10	7.78	7.44	7.05	6.57	6.00	5.29	4.36	3.12	1.50	-6.00	-7.34	-8.02	-8.02	-7.95	-8.60	-9.24	-9.71	-9.79	-9.30
-90.5	8.30	6.53	4.75	2.91	1.00	-1.00	-3.08	-5.05	-6.68	-7.74	-8.00	-7.34	-6.02	-4.43	-2.93	-1.90	-1.61	-1.93	2.63	-3.46
-90.0	6.70	5.80	5.00	4.40	4.10	4.20	4.72	5.43	6.01	6.13	5.50	3.93	1.78	-.42	-2.19	-3.00	-2.53	-1.15	.59	2.16
-89.5	9.20	6.37	3.71	1.40	-.39	-1.50	-1.82	-1.52	-.85	-.06	.60	.96	1.08	1.10	1.16	1.40	1.88	2.39	2.66	2.39
-89.0	13.20	11.41	9.60	7.75	5.86	3.90	1.88	-.09	-1.88	-3.36	-4.40	-4.91	-4.99	-4.77	-4.40	-4.00	-3.71	-3.61	-3.76	-4.24
-88.5	7.20	5.11	3.09	1.21	-.44	-1.80	-2.82	-3.55	-4.09	-4.51	-4.90	-5.32	-5.70	-5.97	-6.03	-5.80	-5.26	-4.62	-4.16	-4.16
-88.0	5.40	3.39	1.49	-.20	-1.56	-2.50	-2.95	-3.05	-2.98	-2.94	-3.10	-3.60	-4.34	-5.19	-5.99	-6.60	-6.90	-6.89	-6.59	-6.02
-87.5	2.70	4.49	6.11	7.40	8.19	8.30	7.62	6.22	4.21	1.70	-1.20	-4.32	-7.33	-9.82	-11.41	-11.70	-10.47	-8.23	-5.62	-3.32
-87.0	2.90	.87	-1.05	-2.77	-4.19	-5.20	-5.74	-5.87	-5.72	5.40	-5.00	-4.65	-4.48	-4.62	-5.22	-6.40	-8.23	-10.43	-12.66	-14.56
-86.5	-1.00	-3.85	-6.48	-8.68	-10.23	-10.90	-10.58	-9.52	-8.07	-6.58	-5.40	-4.81	-4.82	-5.39	-6.47	-8.00	-9.90	-11.98	-13.97	-15.66
-86.0	3.70	4.37	4.77	4.67	3.80	1.90	-1.14	-4.86	-8.66	-11.94	-14.10	-14.73	-14.16	-12.92	-11.53	-10.50	-10.23	-10.58	-11.28	-12.04
-85.5	-1.40	-1.71	-1.90	-1.89	-1.56	-.80	.41	1.75	2.84	3.29	2.70	.84	-1.86	-4.83	-7.47	-9.20	-9.60	-8.90	-7.49	-5.76
-85.0	8.10	5.87	3.74	1.82	.21	-1.00	-1.74	-2.13	2.33	2.50	2.80	-3.36	-4.14	-5.08	-6.12	-7.20	-8.24	-9.14	9.78	-10.08
-84.5	-7.70	-4.54	-7.96	-10.54	-11.86	-11.50	-9.27	-5.86	-2.23	.70	2.00	1.02	-1.70	-5.35	-9.09	-12.10	-13.75	-14.16	-13.63	-12.48
-84.0	-2.50	-2.87	-3.19	-3.38	-3.41	-3.20	-2.73	-2.09	-1.39	-.76	-.30	-.12	-.23	-.63	-1.32	-2.30	-3.56	-5.04	-6.70	-8.47
-83.5	4.00	.05	-3.61	-6.66	-8.83	-9.80	-9.43	-8.13	-6.46	-5.00	-4.30	-4.75	-6.02	-7.59	-8.95	-9.60	-9.17	-7.91	-6.21	-4.48
-83.0	5.90	3.79	1.80	.06	-1.32	-2.20	2.54	-2.55	-2.53	-2.79	-3.60	-5.14	-7.07	-8.92	-10.22	-10.50	-9.47	7.48	5.05	2.72
-82.5	-5.80	-2.70	-.05	1.68	2.05	.60	-2.88	-7.62	-12.58	-16.75	-19.10	-18.92	-16.77	-13.49	-9.94	-7.00	-5.30	-4.66	-4.66	4.91
-82.0	-5.70	-3.94	-2.32	-.98	-.06	.30	.02	-.81	-2.03	-3.47	-5.00	-6.48	-7.93	-9.37	-10.85	-12.40	-14.02	-15.1	-16.64	-17.19
-81.5	-1.30	-1.39	-1.63	-2.18	-3.19	-4.80	-7.07	-9.62	-11.98	-13.67	-14.20	-13.30	-11.42	-9.24	-7.42	-6.60	-7.24	-8.90	-10.95	-12.73
-81.0	-16.60	-12.55	-8.90	-6.06	-4.42	-4.40	-6.20	-9.24	-12.79	-16.06	-18.30	-18.95	-18.26	-16.66	-14.59	-12.50	-10.74	-9.34	-8.23	-7.34
-80.5	5.00	2.03	-.91	-3.80	-6.60	-9.30	-11.84	-14.09	-15.88	-17.07	-17.50	-17.07	-15.95	-14.38	-12.58	-10.80	-9.23	-7.97	-7.06	-6.55
-80.0	-.50	-.44	-.53	-.92	-1.76	-3.20	-5.30	-7.78	-10.27	-12.40	-13.80	-14.20	-13.76	-12.73	-11.36	-9.90	-8.57	-7.43	-6.48	-5.73
-79.5	-3.70	-3.13	-2.66	-2.40	-2.44	-2.90	-3.82	-5.02	-6.29	-7.39	-8.10	-8.26	-8.01	-7.53	-7.03	-6.70	-6.70	-6.99	-7.47	-8.07
-79.0	-4.40	-7.32	-10.02	-12.29	-13.92	-14.70	-14.49	-13.53	-12.12	-10.57	-9.20	-8.25	-7.64	-7.26	-6.96	-6.60	-6.09	-5.48	-4.87	-4.34
-78.5	-4.10	-6.61	-8.98	-11.08	-12.76	-13.90	-14.39	-14.28	-13.69	-12.69	-11.40	-9.91	-8.33	-6.81	-5.46	-4.40	-3.75	-3.54	-3.78	-4.50
-78.0	-5.00	-7.39	-9.52	-11.14	-11.99	-11.80	-10.44	-8.24	-5.64	-3.08	-1.00	-.26	.79	.79	.46	.00	-.42	-.78	-1.09	-1.36
-77.5	-8.20	-9.25	-10.20	-10.94	-11.38	-11.40	-10.95	-10.11	-9.02	-7.81	-6.60	-5.51	-4.59	-3.84	-3.31	-3.00	-2.92	-2.97	-3.03	-2.98
-77.0	-4.70	-8.97	-12.85	-15.91	-17.76	-18.00	-16.41	-13.54	-10.12	-6.90	-4.60	-3.75	-4.04	-4.91	-5.85	-6.30	-5.92	-5.10	-4.39	-4.37
-76.5	-8.70	-10.36	-11.86	-13.07	-13.83	-14.00	-13.48	-12.45	-11.12	-9.73	-8.50	-7.62	-7.11	-6.93	-7.07	-7.50	-8.18	-9.00	-9.86	-10.63
-76.0	-8.20	-9.13	-9.92	-10.43	-10.50	-10.00	-8.87	-7.42	-6.05	-5.14	-5.10	-6.17	-7.99	-10.08	-11.91	-13.00	-12.98	-12.04	-10.53	-8.77
-75.5	-4.80	-5.85	-6.83	-7.66	-8.28	-8.60	-8.59	-8.30	-7.83	-7.26	-6.70	-6.22	-5.89	-5.75	-5.87	-6.30	-7.06	-8.07	-9.19	-10.31
-75.0	-17.30	-14.50	-11.86	-9.53	-7.66	-6.40	-5.85	-5.85	-6.17	-6.59	-6.90	-6.93	-6.82	-6.74	-6.91	-7.50	-8.63	-10.06	-11.48	-12.57
-74.5	-12.00	-12.59	-13.11	-13.47	-13.59	-13.40	-12.84	-11.97	-10.85	-9.57	-8.20	-6.83	-5.59	-4.64	-4.12	-4.20	-4.95	-6.18	-7.65	-9.11
-74.0	-9.80	-11.57	-13.09	-14.10	-14.35	-13.60	-11.72	-9.17	-6.53	-4.37	-3.30	-3.69	-5.14	-7.02	-8.75	-9.70	-9.45	-8.27	-6.65	-5.04
-73.5	-3.00	-6.82	-10.34	-13.26	-15.28	-16.10	-15.55	-14.01	-12.00	-10.02	-8.60	-8.10	-8.34	-8.96	-9.62	-10.00	-9.83	-9.23	-8.38	-7.47
-73.0	-1.70	-3.02	-4.24	-5.25	-5.94	-6.20	-5.99	-5.49	-4.93	-4.56	-4.60	-5.22	-6.26	-7.49	-8.68	-9.60	-10.07	-10.16	-9.96	-9.61
-72.5	-11.00	-9.14	-7.37	-5.77	-4.42	-3.40	-2.79	-2.61	-2.86	-3.56	-4.70	-6.25	-7.97	-9.56	-10.73	-11.20	-10.78	-9.73	-8.40	-7.17

ASPECT ANGLE	BISTATIC ANGLE																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-72.0	-3.20	-2.61	-2.17	-2.02	-2.32	-3.20	-4.74	-6.71	-8.78	10.65	12.00	-12.59	-12.52	-11.94	-11.01	-9.90	-8.77	-7.73	-6.91	6.43
-71.5	-5.20	-4.47	-3.75	-3.07	-2.45	-1.90	-1.44	-1.10	-0.88	-0.81	-0.90	-1.18	-1.70	-2.50	-3.65	-5.20	-7.14	-9.25	-11.24	-12.82
-71.0	-11.40	-7.61	-4.08	-1.09	1.09	2.20	2.06	0.87	-1.07	-3.45	-6.00	-8.43	-10.58	-12.30	-13.45	-13.90	-13.57	-12.68	-11.52	-10.40
-70.5	2.40	1.58	0.81	0.13	-0.38	-0.70	-0.80	-0.80	-0.86	-1.14	-1.80	-2.92	-4.33	-5.76	-6.97	-7.70	-7.80	-7.53	-7.26	-7.32
-70.0	-4.50	-5.59	-6.55	-7.25	-7.58	-7.40	-6.66	-5.64	-4.69	-4.16	-4.40	-5.62	-7.44	-9.37	-10.90	-11.50	-10.84	-9.23	-7.16	-5.08
-69.5	-2.70	-4.48	-6.06	-7.25	-7.86	-7.70	-6.67	-5.12	-3.49	-2.24	-1.80	-2.49	-4.05	-6.08	-8.20	-10.00	-11.19	-11.86	-12.20	-12.38
-69.0	-4.60	-3.93	-3.36	-2.96	-2.85	-3.10	-3.36	-4.71	-5.75	-6.71	-7.40	-7.68	-7.56	-7.06	-6.23	-5.10	-3.77	-2.60	-1.97	-2.30
-68.5	1.50	0.37	-0.67	-1.52	-2.10	-2.30	-2.09	-1.62	-1.11	-0.77	-0.80	-1.35	-2.34	-3.61	-5.02	-6.40	-7.64	-8.72	-9.65	-10.44
-68.0	4.50	2.70	0.99	-0.52	-1.75	-2.60	-3.02	-3.17	-3.25	-3.45	-4.00	-5.00	-6.27	-7.53	-8.49	-8.90	-8.57	-7.75	-6.78	-6.02
-67.5	-3.40	-3.58	-3.78	-4.00	-4.27	-4.60	-5.01	-5.54	-6.24	-7.18	-8.40	-9.90	-11.45	-12.79	-13.63	-13.70	-12.84	-11.36	-9.71	8.31
-67.0	-2.10	-2.20	-2.25	-2.22	-2.05	-1.70	-1.17	-0.64	-0.32	-0.43	-1.20	-2.75	-4.85	-7.17	-9.40	-11.20	-12.33	-12.80	-12.69	-12.10
-66.5	-2.40	-1.60	-0.87	-0.28	-1.10	0.20	-0.02	-0.53	-1.25	-2.13	-3.10	-4.10	-5.14	-6.19	-7.28	-8.40	-9.53	-10.62	-11.56	-12.28
-66.0	0.70	-1.14	-2.80	-4.07	-4.77	-4.70	-3.79	-2.40	-1.01	0.08	-0.10	-1.37	-3.53	-6.08	-8.47	-10.20	-10.89	-10.75	-10.15	-9.45
-65.5	1.10	1.49	2.68	3.46	3.63	3.00	1.44	-0.80	-3.39	-6.00	8.30	-10.03	-11.21	-11.92	-12.25	-12.30	-12.14	-11.80	-11.33	-10.75
-65.0	3.70	3.00	2.38	1.90	1.65	1.70	2.07	2.53	2.82	2.67	1.80	0.07	-2.12	-4.23	-5.74	-6.10	-5.01	-3.03	-0.96	-0.42
-64.5	4.20	3.32	2.52	1.86	1.43	1.30	1.48	1.73	1.73	1.19	0.20	-2.61	-5.63	-8.70	-11.28	-12.80	-12.92	-12.06	-10.87	-9.97
-64.0	2.20	-1.51	-0.91	-0.48	-0.31	-0.50	-1.08	-1.92	-2.84	-3.66	4.20	-4.35	-4.21	-3.96	-3.76	-3.80	-4.19	-4.91	-5.87	-6.99
-63.5	-1.70	-1.61	-1.48	-1.31	-1.06	-0.70	-0.26	0.07	0.02	-0.65	2.20	-4.73	-7.81	-10.84	-13.23	-14.40	-13.96	-12.31	-10.05	-7.78
-63.0	1.30	1.33	1.39	1.50	1.69	2.00	2.41	2.78	2.92	2.65	1.80	0.26	-1.75	-3.90	-5.89	-7.40	-8.21	-8.44	-8.30	7.98
-62.5	-4.30	-1.89	-0.32	2.12	3.32	3.70	3.16	1.91	0.28	-1.43	2.90	-3.90	-4.50	-4.82	-5.01	-5.20	-5.51	-5.97	-6.57	7.31
-62.0	0.70	1.68	2.55	3.18	3.47	3.30	2.60	1.51	-0.19	-1.17	2.40	-3.35	-4.02	-4.43	-4.62	-4.60	-4.44	-4.32	-4.47	-5.09
-61.5	1.80	3.81	5.54	6.68	6.97	6.10	3.95	1.01	2.06	4.61	6.00	5.79	-4.49	-2.81	-1.47	-1.20	-2.48	-4.85	-7.61	-10.06
-61.0	6.10	6.39	6.59	6.61	6.38	5.80	4.81	3.44	1.75	-0.22	2.40	-4.71	-6.92	-8.78	-10.03	-10.40	-9.77	-8.48	-7.02	-5.87
-60.5	6.30	7.43	8.28	8.56	7.99	6.30	3.34	-0.47	-4.54	-8.31	-11.20	-12.79	-13.20	-12.71	-11.59	-10.10	-8.52	-7.12	-6.16	5.89
-60.0	5.10	5.56	5.97	6.26	6.39	6.30	5.94	5.31	4.40	3.23	1.80	0.13	-1.64	-3.36	-4.86	-6.00	-6.68	-7.06	-7.39	-7.89
-59.5	7.90	8.39	8.72	8.72	8.24	7.10	5.24	2.91	0.46	-1.76	-3.40	-4.23	-4.45	-4.36	-4.27	-4.50	-5.26	-6.45	-7.87	-9.32
-59.0	8.20	7.77	7.33	6.84	6.31	5.70	4.98	3.99	2.58	0.58	-2.20	-5.78	-9.69	-13.32	-16.06	-17.30	-16.64	-14.54	-11.64	8.61
-58.5	8.70	8.34	7.91	7.33	6.51	5.40	3.95	2.30	0.64	-0.85	-2.00	-2.67	-2.96	-3.01	-2.97	-3.00	-3.22	-3.70	-4.49	5.64
-58.0	9.80	9.76	9.60	9.19	8.44	7.20	5.42	3.24	0.86	-1.52	-3.70	-5.52	-6.91	-7.86	-8.33	-8.30	-7.78	-6.93	-5.97	-5.09
-57.5	9.00	8.23	7.37	6.32	4.99	3.30	1.20	-1.13	-3.45	-5.52	-7.10	-8.02	-8.35	-8.20	-7.71	-7.00	-6.22	-5.62	-5.46	6.03
-57.0	8.10	8.45	8.66	8.59	8.12	7.10	5.46	3.38	1.08	-1.19	-3.20	-4.76	-5.86	-6.54	-6.84	-6.80	-6.47	-5.93	-5.29	-4.65
-56.5	9.00	8.22	7.39	6.44	5.33	4.00	2.41	0.64	-1.23	-3.11	-4.90	-6.53	-7.96	-9.18	-10.16	-10.90	-11.36	-11.51	-11.29	-10.67
-56.0	9.10	8.89	8.57	8.06	7.23	6.00	4.31	2.32	0.25	-1.69	-3.30	-4.43	-5.26	-6.03	-7.00	-8.40	-10.38	-12.66	-14.85	-16.56
-55.5	9.30	8.79	8.17	7.31	6.09	4.40	2.19	-0.27	-2.64	-4.60	-5.80	-6.02	-5.50	-4.60	-3.68	-3.10	-3.13	-3.73	-4.78	-6.14
-55.0	9.10	9.19	9.16	8.88	8.24	7.10	5.41	3.34	1.14	-0.95	-2.70	-3.92	-4.70	-5.18	-5.49	-5.80	-6.21	-6.72	-7.33	-7.99
-54.5	9.20	8.67	8.03	7.17	6.00	4.40	2.33	-0.02	-2.36	-4.44	-6.00	-6.85	-7.17	-7.23	-7.28	-7.60	-8.36	-9.42	-10.56	-11.56
-54.0	8.00	8.13	8.18	8.08	7.74	7.10	6.09	4.76	3.14	1.31	-0.70	-2.82	-4.99	-7.14	-9.20	-11.10	-12.77	-14.10	-14.97	-15.28
-53.5	10.70	10.96	10.97	10.51	9.34	7.20	4.00	0.19	-3.67	-6.99	-9.20	-9.90	-9.38	-8.12	-6.60	-5.30	-4.60	-4.57	-5.19	-6.44
-53.0	10.30	9.70	9.04	8.27	7.35	6.20	4.80	3.19	1.43	-0.42	2.30	-4.13	-5.78	-7.08	-7.87	-8.00	-7.39	-6.28	-5.03	3.96
-52.5	9.20	9.19	9.04	8.62	7.79	6.40	4.40	1.99	-0.55	-2.94	-4.90	-6.22	-6.97	-7.30	-7.37	-7.30	-7.23	-7.16	-7.09	-7.01
-52.0	7.20	7.37	7.39	7.11	6.40	5.10	3.13	0.64	-2.16	-5.04	-7.80	-10.25	-12.36	-14.12	-15.54	-16.60	-17.30	-17.58	-17.37	-16.60
-51.5	11.40	11.09	10.58	9.69	8.23	6.00	2.93	-0.59	-4.04	-6.92	-8.70	-9.05	-8.31	-6.99	-5.62	-4.70	-4.61	-5.19	-6.10	-7.04
-51.0	10.30	11.25	11.84	11.72	10.53	7.90	3.69	-1.42	-6.56	-10.85	-13.40	-13.62	-12.03	-9.44	-6.66	-4.50	3.58	3.75	4.68	6.04

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-50.5	9.70	9.68	9.52	9.08	8.22	6.80	4.75	2.27	-3.37	2.92	-5.10	6.70	-7.72	8.20	-8.18	-7.70	-6.85	-5.88	-5.07	4.71
-50.0	10.20	10.50	10.51	9.93	8.46	5.80	1.84	-2.79	-7.31	-10.91	-12.80	-12.43	10.34	-7.31	-4.14	-1.60	-3.2	-2.5	-1.14	-2.77
-49.5	10.70	10.76	10.64	10.15	9.10	7.30	4.69	1.64	-1.34	-3.75	-5.10	5.08	4.21	-3.18	-2.71	-3.50	-6.00	-9.66	-13.67	17.22
-49.0	12.20	11.13	10.03	8.88	7.64	6.30	4.84	3.29	1.72	-1.7	-1.30	-2.65	-3.88	-5.00	-6.04	-7.00	-7.91	-8.84	-9.87	11.06
-48.5	10.20	10.19	10.02	9.54	8.58	7.00	4.72	2.05	-0.60	2.86	-4.30	4.69	-4.39	-3.92	-3.78	-4.50	-6.41	-9.14	-12.16	-14.93
-48.0	9.60	9.36	8.94	8.19	6.93	5.00	2.32	-0.77	-3.84	-6.46	-8.20	-8.78	-8.56	-8.04	-7.75	-8.20	-9.71	-11.90	-14.18	-15.97
-47.5	10.70	11.23	11.40	10.87	9.29	6.30	1.76	-3.64	-9.01	-13.46	-16.10	-16.32	-14.70	-12.10	-9.38	-7.40	-6.82	-7.46	-8.91	10.79
-47.0	10.30	11.33	11.95	11.76	10.35	7.30	2.45	-3.43	-9.32	-14.21	-17.10	-17.29	-15.38	-12.32	-9.01	-6.40	-5.17	-5.06	-5.56	6.18
-46.5	9.80	10.89	11.63	11.63	10.54	8.00	3.84	-1.31	-6.62	-11.26	-14.40	-15.45	-14.81	-13.12	-11.00	-9.10	-7.93	-7.52	-7.77	8.60
-46.0	9.70	9.81	9.72	9.25	8.21	6.40	3.72	4.2	-3.18	-6.73	-9.90	-12.41	-14.21	-15.27	-15.61	-15.20	-14.10	-12.58	-10.97	9.60
-45.5	11.20	10.60	9.84	8.77	7.24	5.10	2.27	-1.00	-4.38	-7.52	-10.10	-11.84	-12.73	-12.79	-12.07	-10.60	-8.52	-6.32	-4.61	-3.97
-45.0	11.10	11.54	11.72	11.35	10.17	7.90	4.44	3.1	-3.80	-7.20	-9.20	-9.34	-8.07	-6.04	-3.93	-2.40	-1.97	-2.52	-3.79	-5.50
-44.5	11.00	11.23	11.12	10.32	8.50	5.30	5.9	-4.99	-10.58	-15.33	-18.40	-19.18	-18.04	-15.60	-12.49	-9.30	-6.58	-4.49	-3.13	2.57
-44.0	11.70	12.61	13.08	12.67	10.92	7.40	1.93	-4.61	-11.06	-16.27	-19.10	-18.78	-16.13	-12.33	-8.59	-6.10	-5.74	-7.09	9.39	11.91
-43.5	11.00	11.65	11.89	11.28	9.43	5.90	5.4	5.76	-11.87	-16.63	-18.90	17.94	-14.59	-10.10	-5.72	-2.70	-1.97	-3.15	-5.56	8.51
-43.0	11.10	11.86	12.24	11.88	10.39	7.40	2.74	2.91	-8.70	-13.76	-17.20	-18.41	-17.71	-15.71	-12.98	-10.10	-7.60	-5.74	-4.74	4.79
-42.5	11.50	12.17	12.46	11.96	10.31	7.10	2.18	3.68	-9.50	-14.27	-17.00	-17.04	-15.14	-12.35	-9.78	-8.50	-9.28	-11.63	-14.76	17.88
-42.0	10.10	10.44	10.49	9.96	8.56	6.00	2.15	-2.52	-7.36	-11.73	-15.00	-16.70	-17.00	-16.27	-14.85	-13.10	-11.32	-9.65	-8.18	7.00
-41.5	10.00	11.11	11.79	11.60	10.12	6.90	1.76	4.50	-10.86	-16.27	-19.70	-20.44	-19.07	-16.50	-13.64	-11.40	-10.46	-10.61	-11.41	12.42
-41.0	10.30	10.99	11.33	10.96	9.54	6.70	2.30	3.03	8.43	-13.07	-16.10	-16.93	-15.97	-13.86	-11.25	-8.80	-7.03	-5.97	-5.53	5.60
-40.5	11.60	11.53	11.28	10.68	9.54	7.70	5.06	1.91	1.40	-4.49	-7.00	-8.65	-9.57	9.98	-10.08	-10.10	-10.21	-10.44	-10.74	11.10
-40.0	11.60	11.12	10.48	9.53	8.08	6.00	3.20	3.00	-3.21	-6.05	-8.10	-9.10	-9.24	-8.84	-8.22	-7.70	-7.52	-7.69	-8.14	8.80
-39.5	12.80	11.64	10.41	9.05	7.50	5.70	3.59	1.20	-1.45	-4.33	-7.40	-10.58	-13.57	-16.01	-17.54	-17.80	-16.60	-14.35	-11.63	9.02
-39.0	11.70	12.10	12.12	11.36	9.45	6.00	8.4	5.30	-11.47	-16.72	-20.10	-20.95	-19.74	-17.21	-14.11	-11.20	-9.07	-7.71	-6.95	6.63
-38.5	12.30	12.44	12.31	11.62	10.11	7.50	3.65	1.04	-6.01	-10.71	-14.60	-17.24	-18.64	-18.90	-18.15	-16.50	-14.10	-11.26	-8.32	5.62
-38.0	12.20	11.35	10.41	9.28	7.87	6.10	3.90	1.34	-1.47	-4.42	-7.40	-10.29	-12.87	-14.91	-16.16	-16.40	-15.50	-13.83	-11.85	10.05
-37.5	11.10	11.09	10.80	9.97	8.33	5.00	1.67	-1.07	-4.46	-7.73	-10.60	-12.84	-14.37	-15.15	-15.14	-14.30	-12.68	-10.67	-8.72	-7.31
-37.0	11.10	11.09	10.80	9.97	8.33	5.00	1.67	-1.07	-4.46	-7.73	-10.60	-12.84	-14.37	-15.15	-15.14	-14.30	-12.68	-10.67	-8.72	-7.31
-36.5	10.70	9.19	7.67	6.14	4.58	3.00	1.37	-3.5	-2.23	-4.33	-6.70	-9.33	-11.85	-13.84	-14.83	-14.40	-12.30	-9.08	-5.49	2.28
-36.0	13.10	12.49	11.68	10.49	8.73	6.20	2.83	-1.01	-4.82	-8.11	-10.40	-11.33	-11.11	-10.12	-8.69	-7.20	-5.94	-4.96	-4.27	-3.85
-35.5	12.40	10.89	9.34	7.71	5.98	4.10	2.07	0.4	-1.82	-3.33	-4.30	-4.63	-4.50	-4.14	-3.79	-3.70	-4.04	-4.73	-5.62	6.56
-35.0	12.60	12.29	11.79	10.90	9.43	7.20	4.11	5.0	-3.20	-6.55	-9.10	-10.55	-11.06	-10.94	-10.49	-10.00	-9.71	-9.63	-9.71	9.88
-34.5	12.80	12.23	11.50	10.43	8.85	6.60	3.60	1.10	-3.53	-6.95	-9.80	-11.80	-12.89	-13.09	-12.43	-10.90	-8.64	-6.20	-4.24	-3.42
-34.0	11.30	11.27	10.93	9.98	8.10	5.00	5.4	-4.70	-9.98	-14.53	-17.60	-18.65	-17.95	-15.99	-13.24	-10.20	-7.31	-4.89	-3.24	-2.65
-33.5	10.60	10.57	10.38	9.89	8.95	7.40	5.14	2.28	-1.05	-4.69	-8.50	-12.28	-15.68	-18.27	-19.65	-19.40	-17.32	-14.01	-10.26	-6.89
-33.0	12.60	11.24	9.84	8.38	6.81	5.10	3.23	1.27	-0.71	-2.62	-4.40	-5.96	-7.27	-8.27	-8.93	-9.20	-9.08	-8.71	-8.26	7.90
-32.5	13.10	11.96	10.76	9.44	7.94	6.20	4.18	1.93	-4.8	-2.98	-5.50	-7.94	-10.08	-11.66	-12.42	-12.10	-10.59	-8.34	-5.94	3.96
-32.0	12.00	10.79	9.49	8.02	6.29	4.20	1.69	-1.22	-4.53	-8.20	-12.20	-16.42	-20.38	-23.48	-25.15	-24.80	-22.13	-17.92	-13.23	9.10
-31.5	11.80	11.77	11.45	10.55	8.80	5.90	1.72	-3.28	-8.48	-13.25	-17.00	-19.24	-20.08	-19.79	-18.61	-16.80	-14.62	-12.32	-10.18	-8.45
-31.0	12.30	12.04	11.57	10.68	9.16	6.80	3.50	-3.5	-4.25	-7.70	-10.20	-11.39	-11.45	-10.70	-9.48	-8.10	-6.84	-5.79	-4.97	4.43
-30.5	12.00	11.39	10.70	9.85	8.78	7.40	5.65	3.53	1.02	-1.85	-5.10	-8.65	-12.14	-15.18	-17.33	-18.20	-17.52	-15.67	-13.19	-10.62
-30.0	12.70	11.79	10.77	9.52	7.93	5.90	3.37	5.6	-2.26	-4.81	-6.80	-8.04	-8.65	-8.80	-8.69	-8.50	-8.40	-8.40	-8.49	-8.66
-29.5	11.20	10.95	10.50	9.66	8.23	6.00	2.89	-0.79	-4.61	-8.15	-11.00	-12.81	-13.60	-13.47	-12.50	-10.80	-8.54	-6.20	-4.36	-3.57

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-29.0	11.80	11.61	11.19	10.31	8.72	6.20	2.64	1.58	5.93	9.91	-13.00	14.81	-15.42	-15.05	-13.91	-12.20	-10.17	-8.15	-6.53	-5.65
-28.5	12.70	12.53	12.17	11.43	10.14	8.10	5.24	1.92	1.40	4.23	-6.10	6.70	-6.35	-5.50	-4.63	-4.20	-4.56	-5.59	-7.05	-8.70
-28.0	10.80	11.73	12.27	12.01	10.55	7.50	2.69	3.13	-8.97	-13.86	-16.80	17.15	-15.56	-13.03	-10.54	9.10	9.41	-11.06	-13.37	-15.65
-27.5	11.30	11.04	10.55	9.61	8.01	5.50	2.02	1.95	5.77	8.79	-10.40	10.17	8.62	-6.47	-4.45	-3.30	-3.54	-4.90	-6.89	-9.01
-27.0	12.30	11.90	11.32	10.35	8.81	6.50	3.36	1.19	-3.61	6.36	-7.90	7.88	6.77	-5.21	-3.87	-3.40	-4.26	-6.12	-8.43	-10.67
-26.5	11.40	11.48	11.32	10.71	9.41	7.20	3.98	1.19	-3.57	6.73	8.70	9.09	8.27	-6.81	-5.26	-4.20	-4.05	-4.69	-5.89	-7.41
-26.0	11.90	11.29	10.54	9.52	8.08	6.10	3.52	1.61	-2.24	-4.66	6.30	-6.90	6.70	-6.06	-5.34	-4.90	-5.03	-5.68	-6.73	8.08
-25.5	11.90	11.34	10.64	9.66	8.26	6.30	3.72	1.85	-1.93	-4.21	5.60	-5.83	5.24	-4.29	-3.45	-3.20	-3.87	-5.31	-7.20	9.27
-25.0	8.90	10.16	11.07	11.25	10.35	8.00	4.06	-8.0	-5.67	9.67	-11.90	-11.77	-9.88	-7.16	-4.49	-2.80	-2.75	-4.03	-6.10	8.40
-24.5	10.40	11.57	12.32	12.22	10.86	7.80	2.89	3.03	-8.84	-13.43	15.70	-14.91	-11.89	-7.83	-3.93	-1.40	-1.11	-2.64	-5.24	8.18
-24.0	10.80	10.97	10.96	10.58	9.66	8.00	5.53	2.60	-3.7	2.92	-4.60	-5.12	4.76	-3.94	-3.08	-2.60	-2.83	-3.72	-5.12	-6.90
-23.5	9.30	9.72	9.92	9.68	8.78	7.00	4.26	98	2.26	4.91	6.40	-6.37	5.25	-3.69	-2.33	-1.80	-2.58	-4.42	-6.91	9.64
-23.0	9.40	9.60	9.60	9.20	8.20	6.40	3.72	59	2.47	4.92	6.20	5.99	4.75	-3.14	-1.84	-1.50	-2.60	-4.80	-7.59	10.43
-22.5	11.30	10.92	10.40	9.60	8.38	6.60	4.21	1.51	1.10	-3.24	4.50	4.65	-4.03	-3.17	-2.56	-2.70	-3.95	-6.00	-8.38	-10.64
-22.0	9.80	10.35	10.64	10.45	9.52	7.60	4.60	1.01	2.52	5.33	6.80	6.51	-5.00	-3.09	-1.56	-1.20	-2.56	-5.15	-8.26	-11.15
-21.5	9.50	10.16	10.56	10.46	9.59	7.70	4.69	1.07	2.49	5.34	6.80	6.46	4.87	-2.83	-1.14	-0.60	-1.75	-4.15	-7.11	9.92
-21.0	8.10	8.91	9.51	9.69	9.22	7.90	5.63	2.80	-0.8	2.52	4.00	4.20	3.50	-2.47	-1.68	-1.70	-2.91	-4.99	-7.44	9.74
-20.5	8.40	8.86	9.15	9.09	8.50	7.20	5.12	2.58	-0.2	2.25	3.70	4.10	3.74	-3.08	-2.55	-2.60	-3.54	-5.13	-7.02	8.83
-20.0	8.20	8.78	9.14	9.06	8.32	6.70	4.11	99	2.10	4.58	5.90	5.69	4.40	-2.72	-1.29	-0.80	-1.70	-3.65	-6.12	8.55
-19.5	8.60	9.16	9.52	9.46	8.79	7.30	4.90	2.01	88	3.22	4.50	4.39	3.35	-2.03	-1.06	-1.10	-2.59	-5.12	-8.09	-10.88
-19.0	8.90	9.30	9.54	9.45	8.85	7.60	5.61	3.20	77	1.26	2.50	2.69	2.21	-1.60	-1.38	-2.10	-4.10	-7.00	-10.24	-13.26
-18.5	9.50	9.81	9.93	9.68	8.86	7.30	4.92	2.11	62	-2.76	3.80	3.45	-2.27	-1.05	-0.56	-1.60	-4.66	-9.13	-14.12	-18.74
-18.0	8.30	8.73	8.99	8.95	8.44	7.30	5.47	3.23	95	-9.8	2.20	2.47	-2.12	-1.62	-1.42	-2.00	-3.67	-6.19	-9.13	12.10
-17.5	7.80	8.49	9.01	9.19	8.88	7.90	6.17	3.97	1.63	-4.7	2.00	-2.71	2.85	-2.78	-2.84	-3.40	-4.71	-6.57	-8.69	-10.77
-16.5	8.00	8.62	9.04	9.09	8.57	7.30	5.18	2.57	12	2.42	3.90	4.27	3.86	-3.14	-2.60	-2.70	-3.78	-5.57	-7.63	9.55
-16.0	7.70	8.48	9.06	9.22	8.77	7.50	5.32	2.60	-17	-2.50	3.90	-4.06	-3.36	-2.38	-1.67	-1.80	-3.15	-5.35	-7.86	-10.13
-15.5	6.90	7.72	8.38	8.70	8.53	7.70	6.13	4.11	2.00	17	-1.00	-1.29	-1.01	-0.63	-0.61	-1.40	-3.30	-5.92	-8.70	-11.08
-15.0	7.90	8.34	8.63	8.65	8.26	7.30	5.73	3.79	1.84	1.9	-80	-95	-59	-23	-33	-1.40	-3.72	-6.83	-10.07	-12.78
-14.5	7.90	8.20	8.37	8.26	7.75	6.70	5.05	3.05	1.06	-61	-1.60	-1.72	-1.34	-0.94	-1.03	-2.10	-4.46	-7.63	-10.92	-13.67
-14.0	8.00	8.40	8.66	8.61	8.11	7.00	5.23	3.06	88	-97	2.10	-2.30	-1.94	-1.51	-1.53	-2.50	-4.73	-7.77	-10.94	-13.61
-13.5	7.90	8.39	8.72	8.76	8.33	7.30	5.59	3.48	1.31	-57	-1.80	-2.17	-1.99	-1.74	-1.85	-2.80	-4.86	-7.62	-10.49	-12.88
-13.0	7.60	8.12	8.49	8.57	8.23	7.30	5.73	3.76	1.70	12	-1.40	-1.92	-1.96	-1.88	-2.07	-2.90	-4.62	-6.89	-9.26	11.25
-12.5	7.10	7.53	7.84	7.89	7.55	6.70	5.27	3.49	1.63	-03	-1.20	-1.70	-1.77	-1.75	-1.98	-2.80	-4.43	-6.56	-8.79	10.67
-12.0	6.30	6.87	7.32	7.51	7.31	6.60	5.32	3.66	1.89	28	-90	-1.48	-1.66	-1.73	-1.98	-2.70	-4.08	-5.89	-7.78	-9.43
-11.5	6.80	7.26	7.61	7.73	7.50	6.80	5.58	4.01	2.32	74	-50	-1.25	-1.64	-1.89	-2.21	-2.80	-3.81	-5.11	-6.49	7.75
-11.0	7.70	8.00	8.20	8.19	7.85	7.10	5.87	4.32	2.65	1.07	-20	-1.03	-1.54	-1.90	-2.29	-2.90	-3.85	-5.03	-6.27	7.42
-10.5	7.70	7.99	8.18	8.17	7.84	7.10	5.89	4.37	2.73	1.17	-10	-95	-1.48	-1.87	-2.29	-2.90	-3.82	-4.97	-6.17	7.30
-10.0	6.90	7.38	7.76	7.91	7.73	7.10	5.97	4.49	2.87	1.30	00	-89	-1.47	-1.90	-2.32	-2.90	-3.74	-4.78	-5.90	6.98
-9.5	6.90	7.38	7.75	7.90	7.72	7.10	5.98	4.52	2.91	1.37	10	-76	-1.31	-1.71	-2.12	-2.70	-3.56	-4.63	-5.80	6.92
-9.0	7.90	8.15	8.30	8.26	7.92	7.20	6.04	4.59	3.03	1.57	40	-35	-81	-1.13	-1.50	-2.10	-3.05	-4.25	-5.58	6.87
-8.5	7.90	8.14	8.28	8.23	7.86	7.10	5.89	4.38	2.81	1.37	30	-28	-51	-0.62	-0.84	-1.40	-2.46	-3.89	-5.32	7.15
-8.0	7.30	7.74	8.07	8.15	7.87	7.10	5.79	4.15	2.44	94	-10	-49	-46	-0.33	-0.40	-1.00	-2.34	-4.25	-6.43	8.61

ASPECT
ANGLE

BISTATIC ANGLE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
7.5	7.10	8.02	8.15	7.89	7.10	5.73	4.01	2.23	69	-30	-56	-38	-14	-25	-110	-2.95	-5.53	-8.44	11.26
7.0	7.70	8.29	8.27	7.88	7.00	5.57	3.83	2.08	64	-20	-26	-11	-42	-18	-110	-3.72	-7.25	-11.11	-14.70
6.5	7.80	8.19	8.10	7.68	6.80	5.43	3.78	2.16	83	-10	-12	-53	-82	-51	-90	-3.72	-7.47	-11.49	-15.13
6.0	8.00	8.08	7.99	7.43	6.60	5.36	3.89	2.42	118	-40	-21	-32	-36	-05	-130	-3.61	-6.60	-9.75	-12.53
5.5	8.20	8.13	7.97	7.24	6.50	5.46	4.22	2.94	175	-80	-17	-28	-76	-147	-2.60	-4.28	-6.27	-8.27	-9.95
5.0	8.40	8.27	8.08	7.35	6.70	5.81	4.75	3.61	246	-140	-48	-36	-121	-216	-3.30	-4.68	-6.15	-7.50	-8.55
4.5	8.20	8.19	8.12	7.54	6.90	5.97	4.82	3.55	224	-100	-11	-112	-206	-301	-4.00	-5.06	-6.11	-7.04	-7.74
4.0	7.90	8.00	7.91	7.59	7.00	6.09	4.91	3.57	214	-70	-66	-194	-313	-421	-5.20	-6.08	-6.83	-7.43	-7.86
3.5	7.50	7.73	7.88	7.64	7.10	6.20	5.01	3.63	216	-70	-68	-196	-318	-436	-5.50	-6.62	-7.63	-8.46	-9.01
3.0	7.50	7.74	7.91	7.67	7.10	6.16	4.94	3.54	209	-70	-54	-169	-283	-404	-5.40	-6.95	-7.85	-8.92	-10.91
2.5	7.90	8.08	8.17	7.76	7.10	6.05	4.74	3.31	191	-70	-23	-102	-187	-296	-4.50	-6.59	-8.93	-11.17	-12.92
2.0	8.50	8.47	8.38	7.71	7.00	5.98	4.74	3.42	213	-100	-11	-68	-155	-270	-4.30	-6.45	-8.87	-11.19	-13.02
1.5	8.10	8.12	8.08	7.53	6.90	5.97	4.82	3.56	228	-110	-08	-88	-189	-309	-4.60	-6.49	-8.55	-10.51	-12.08
1.0	7.60	7.74	7.82	7.75	6.90	6.01	4.87	3.58	226	-100	-12	-116	-222	-340	-4.80	-6.46	-8.21	-9.85	-11.15
0.5	8.40	8.36	8.25	8.00	7.54	6.74	4.46	3.08	175	-60	-30	-108	-192	-300	-4.50	-6.52	-8.78	-10.93	-12.59
0	7.60	7.86	8.01	7.96	7.59	6.80	4.01	2.42	104	-10	-26	-32	-45	-102	-2.40	-4.82	-7.85	-10.94	-13.51
5	8.00	8.14	8.18	8.02	7.56	6.70	3.84	2.26	90	-00	-30	-26	-26	-65	-1.80	-3.94	-6.72	-9.65	-12.24
1.0	8.70	8.68	8.57	8.28	7.72	6.80	3.94	2.35	97	-00	-44	-55	-63	-98	-1.90	-3.57	-5.74	-8.06	-10.16
1.5	8.40	8.43	8.38	8.16	7.70	6.90	4.29	2.36	127	-00	-96	-169	-233	-302	-3.90	-5.05	-6.38	-7.73	-8.96
2.0	8.00	8.14	8.18	8.05	7.66	6.90	4.28	2.69	111	-30	-143	-231	-302	-362	-4.20	-4.82	-5.52	-6.36	-7.37
2.5	7.60	7.90	8.09	8.04	7.65	6.80	3.73	1.93	27	-100	-173	-206	-222	-242	-2.90	-3.81	-5.12	-6.72	-8.52
3.0	7.40	7.81	8.09	8.10	7.72	6.80	3.42	1.48	23	-140	-185	-179	-154	-144	-1.80	-2.86	-4.47	-6.40	-8.42
3.5	7.50	7.89	8.16	8.16	7.79	6.90	3.61	1.68	08	-140	-209	-232	-233	-237	-2.70	-3.50	-4.68	-6.13	-7.68
4.0	7.60	7.97	8.22	8.23	7.86	7.00	3.81	1.93	21	-110	-182	-211	-222	-236	-2.80	-3.70	-4.97	-6.48	-8.07
4.5	8.00	8.18	8.26	8.14	7.72	6.90	4.08	2.45	96	-20	-88	-123	-148	-186	-2.60	-3.84	-5.44	-7.15	-8.75
5.0	8.00	8.11	8.14	7.99	7.57	6.80	4.20	2.68	125	-10	-67	-121	-175	-250	-3.70	-5.47	-7.59	-9.75	-11.62
5.5	8.00	8.13	8.17	8.02	7.59	6.80	4.10	2.52	103	-20	-103	-159	-205	-260	-3.40	-4.59	-6.04	-7.61	-9.12
6.0	7.50	7.86	8.11	8.14	7.84	7.10	4.25	2.48	73	-80	-197	-281	-337	-375	-4.00	-4.22	-4.58	-5.28	-6.52
6.5	7.20	7.77	8.19	8.30	7.96	7.00	3.27	1.05	98	-250	-329	-349	-334	-306	-2.90	-3.06	-3.65	-4.76	-6.49
7.0	7.10	7.61	7.97	8.05	7.71	6.80	3.30	1.23	67	-210	-285	-306	-295	-272	-2.60	-2.77	-3.27	-4.12	-5.33
7.5	7.50	7.99	8.34	8.42	8.09	7.20	3.79	1.76	09	-150	-226	-253	-258	-265	-3.00	-3.82	-5.05	-6.59	-8.31
8.0	7.70	8.19	8.54	8.63	8.33	7.50	4.27	2.32	51	-90	-172	-200	-187	-146	-3.00	-3.6	-5.17	-7.4	-9.46
8.5	7.70	7.98	8.18	8.19	7.93	7.30	4.89	3.33	172	-20	-112	-219	-295	-337	-3.40	-3.08	-2.74	-2.81	-3.69
9.0	7.20	7.59	7.87	7.92	7.63	6.90	4.06	2.33	67	-70	-163	-214	-232	-224	-2.00	-1.71	-1.67	-2.21	-3.68
9.5	6.70	7.16	7.50	7.62	7.39	6.70	3.94	2.27	72	-50	-121	-155	-168	-180	-2.10	-2.72	-3.63	-4.76	-6.04
10.0	6.90	7.51	7.98	8.16	7.91	7.10	3.72	1.59	50	-230	-360	-440	-473	-465	-4.20	-3.46	-2.75	-2.42	-2.82
10.5	7.20	7.93	8.51	8.77	8.55	7.70	4.06	1.77	44	-230	-357	-426	-443	-416	-3.50	-2.56	-1.59	-0.87	-0.68
11.0	8.30	8.75	9.08	9.13	8.78	7.90	4.51	2.42	40	-130	-250	-320	-349	-343	-3.10	-2.58	-2.06	-1.74	-1.82
11.5	8.10	8.76	9.24	9.38	8.99	8.10	3.64	1.08	128	-310	-411	-443	-426	-381	-3.30	-2.90	-2.69	-2.72	-3.04
12.0	7.50	8.20	8.73	8.90	8.55	7.50	3.32	85	138	-300	-373	-369	-311	-220	-1.20	-0.33	-0.17	-0.3	-1.01
12.5	6.20	7.33	8.25	8.75	8.64	7.70	3.35	67	179	-360	-446	-450	-396	-308	-2.10	-1.25	-0.75	-0.80	-1.62
13.0	6.20	7.06	7.75	8.12	7.99	7.20	3.62	1.37	77	-250	-358	-408	-416	-395	-3.60	-3.25	-2.96	-2.81	-2.83
13.5	7.80	8.44	8.93	9.10	8.81	7.90	4.15	1.78	56	-260	-413	-513	-565	-572	-5.40	-4.74	-3.90	-3.06	-2.40

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
14.0	8.50	8.94	9.22	9.21	8.76	7.70	5.97	3.74	1.27	1.20	3.40	5.14	6.39	7.18	7.55	7.50	7.09	-6.44	-5.67	4.91
14.5	8.60	9.15	9.52	9.51	8.93	7.60	5.42	2.64	-41	3.36	-5.90	-7.74	-8.86	9.31	9.14	8.40	-7.20	-5.88	-4.87	4.57
15.0	7.20	8.30	9.14	9.46	9.00	7.50	4.83	1.40	2.25	5.56	-8.00	-9.16	-9.24	-8.55	-7.43	-6.20	-5.16	-4.46	-4.21	4.51
15.5	7.50	8.18	8.68	8.79	8.33	7.10	5.00	2.26	-83	3.95	-6.80	-9.11	10.76	-11.68	-11.79	-11.00	-9.34	-7.22	-5.15	-3.64
16.0	7.20	7.96	8.57	8.91	8.84	8.20	6.91	5.03	2.66	08	-3.10	-6.23	-9.11	-11.31	-12.42	-12.00	-9.85	-6.62	-3.15	-2.9
16.5	8.40	8.91	9.27	9.31	8.87	7.80	6.01	3.73	1.24	1.17	-3.20	-4.62	-5.42	-5.65	-3.46	-4.60	-3.46	-2.23	-1.21	-7.3
17.0	8.00	8.88	9.53	9.73	9.26	7.90	5.53	2.51	-69	3.62	5.80	-6.90	-7.13	-6.83	-6.34	-6.00	-6.07	-6.54	-7.28	-8.20
17.5	7.90	8.32	8.57	8.48	7.88	6.60	4.54	1.87	-1.16	4.30	7.30	-9.94	-12.03	-13.41	-13.93	-13.40	-11.80	-9.61	-7.42	-5.85
18.0	8.00	9.03	9.77	9.91	9.15	7.20	3.91	-25	-4.64	8.63	11.60	-13.07	-13.18	-12.25	-10.55	-8.40	-6.10	-3.97	-2.34	-1.54
18.5	7.30	8.70	9.78	10.19	9.61	7.70	4.29	-17	-5.09	9.87	-13.90	-16.71	-18.28	-18.73	-18.16	-16.70	-14.49	-11.88	-9.23	6.95
19.0	8.20	9.51	10.52	10.91	10.37	8.60	5.43	1.24	-3.41	-8.01	12.00	-14.95	-16.80	-17.58	-17.30	-16.00	-13.80	-11.16	-8.64	-6.80
19.5	7.70	8.71	9.47	9.72	9.22	7.70	5.04	1.59	2.18	-5.80	-8.80	-10.81	-11.85	-12.06	-11.57	-10.50	-9.02	-7.40	-5.95	-4.98
20.0	8.40	9.64	10.55	10.83	10.15	8.20	4.81	44	-4.30	8.78	-12.40	-14.68	-15.73	-15.79	-15.09	-13.90	-12.45	-10.98	-9.74	-8.96
20.5	8.00	8.70	9.16	9.12	8.35	6.60	3.73	06	-4.00	-8.03	11.60	-14.35	-16.15	-16.91	-16.55	-15.00	-12.30	-9.07	-6.05	3.98
21.0	7.60	8.61	9.32	9.45	8.71	6.80	3.58	-51	4.90	8.99	-12.20	-14.09	-14.79	-14.55	-13.63	-12.30	-10.80	-9.34	-8.11	7.30
21.5	8.60	9.56	10.21	10.21	9.25	7.00	3.31	-137	6.39	11.15	-15.00	-17.47	-18.63	-18.68	-17.83	-16.30	-14.30	-12.07	-9.86	-7.92
22.0	11.00	11.42	11.56	11.12	9.83	7.40	3.71	-72	5.19	-9.02	11.50	-12.18	-11.46	-9.98	-8.38	-7.30	-7.21	-7.92	-9.12	-10.46
22.5	10.90	11.37	11.52	11.02	9.56	6.80	2.60	2.47	7.70	-12.36	15.70	-17.21	-17.22	-16.27	-14.88	-13.60	-12.84	-12.56	-12.59	-12.76
23.0	10.30	10.54	10.61	10.34	9.56	8.10	5.86	3.02	18	3.50	6.70	9.55	-11.89	-13.58	-14.46	-14.40	-13.37	-11.85	-10.43	9.72
23.5	7.30	8.24	9.00	9.40	9.26	8.40	6.71	4.33	1.49	1.59	4.70	7.64	10.27	-12.48	-14.16	-15.20	-15.54	-15.35	-14.86	14.40
24.0	9.80	9.99	9.97	9.52	8.44	6.50	3.60	02	3.83	7.57	10.80	13.20	14.71	-15.34	-15.10	-14.00	-12.14	-9.97	-8.00	6.77
24.5	9.40	9.73	9.83	9.46	8.40	6.40	3.36	-36	4.29	7.93	10.80	12.53	13.19	-12.94	-11.95	-10.40	-8.49	-6.57	-5.04	-4.28
25.0	10.70	10.42	9.91	8.97	7.37	4.90	1.44	2.66	6.97	11.03	14.40	-16.73	-18.04	-18.47	-18.15	-17.20	-15.79	-14.24	-12.94	12.23
25.5	9.20	10.02	10.56	10.56	9.73	7.80	4.63	61	3.75	7.93	-5.70	-8.34	-10.57	-12.22	-13.12	-13.10	-12.08	-10.37	-8.37	6.48
26.0	11.90	11.55	11.08	10.11	8.25	7.70	5.56	2.98	13	2.82	15.50	-15.58	-13.93	-11.33	-8.56	-6.40	-5.43	-5.43	-6.00	6.73
26.5	11.50	11.43	11.07	10.11	8.25	5.20	84	-4.21	-9.14	-13.18	15.50	-15.58	-13.93	-11.33	-8.56	-6.40	-5.43	-5.43	-6.00	6.73
27.0	10.80	10.34	9.76	8.91	7.66	5.90	3.55	83	-1.97	4.58	-6.70	8.13	-8.92	-9.23	-9.17	-8.90	-8.53	-8.13	-7.76	-7.46
27.5	10.40	9.86	9.25	8.48	7.49	6.20	4.55	2.55	24	2.35	-5.20	-8.22	-11.14	-13.61	-15.31	-15.90	-15.20	-13.61	-11.69	9.96
28.0	10.80	10.64	10.27	9.48	8.06	5.80	2.61	-1.13	-4.90	8.19	10.50	11.48	-11.44	-10.88	-10.27	-10.10	-10.70	-11.81	-13.04	-13.97
28.5	12.20	11.91	11.42	10.54	9.06	6.80	3.67	03	-3.62	-6.79	-9.00	-9.91	-9.76	-8.93	-7.82	-6.80	-6.19	-5.98	-6.10	6.47
29.0	12.00	12.39	12.37	11.54	9.49	5.80	32	-6.17	-12.63	-18.01	-21.30	-21.77	20.04	-17.01	-13.62	-10.80	-9.26	-8.88	-9.36	-10.37
29.5	11.30	11.45	11.32	10.63	9.08	6.40	2.46	-2.19	-6.87	-10.87	-13.50	-14.27	-13.56	-11.95	-10.04	-8.40	-7.50	-7.32	-7.68	-8.42
30.0	10.30	10.20	9.95	9.40	8.40	6.80	4.53	1.79	-1.12	-3.91	-6.30	-8.06	-9.21	-9.82	-9.95	-9.70	-9.15	-8.50	-7.96	-7.76
30.5	12.40	11.79	10.95	9.65	7.64	4.70	74	-3.76	-8.15	-11.81	-14.10	-14.60	-13.73	-12.13	-10.44	-9.30	-9.18	-9.00	-11.12	-12.50
31.0	11.80	11.12	10.33	9.32	7.98	6.20	3.92	1.33	-1.35	-3.87	-6.00	-7.56	-8.57	-9.14	-9.36	-9.30	-9.06	-8.72	-8.33	-7.97
31.5	12.70	11.55	10.27	8.71	6.73	4.20	1.08	-2.28	-5.41	-7.87	-9.20	-9.11	-8.03	-6.52	-5.18	-4.60	-5.17	-6.59	-8.37	-10.00
32.0	11.70	11.71	11.49	10.82	9.46	7.20	3.93	03	-3.96	-7.55	-10.20	-11.55	-11.77	-11.21	-10.17	-9.00	-7.97	-7.22	-6.84	-6.90
32.5	11.90	11.36	10.59	9.35	7.39	4.50	57	-3.91	-8.32	-12.02	-14.40	-15.02	-14.20	-12.46	-10.32	-8.30	-6.81	-5.86	-5.34	-5.15
33.0	13.10	12.12	11.01	9.66	7.93	5.70	2.92	-1.18	-3.31	-6.15	-8.40	-9.85	-10.58	-10.79	-10.63	-10.30	-9.94	-9.58	-9.23	-8.90
33.5	11.70	11.76	11.58	10.90	9.49	7.10	3.61	-6.60	-5.01	-9.12	-12.40	-14.48	-15.48	-15.66	-15.28	-14.60	-13.84	-13.12	-12.51	-12.11
34.0	12.20	12.42	12.30	11.50	9.68	6.50	1.82	-3.68	-9.12	-13.62	-16.30	-16.56	-14.94	-12.23	-9.25	-6.80	-5.52	-5.30	-5.86	6.92
34.5	11.10	11.70	11.94	11.46	9.90	6.90	2.31	-3.15	-8.56	-12.99	-15.50	-15.48	-13.52	-10.52	-7.38	-5.00	-4.06	-4.35	-5.43	6.86
35.0	12.50	12.05	11.46	10.57	9.23	7.30	4.72	1.76	-1.19	-3.77	-5.60	-6.42	-6.40	5.80	-4.91	-4.00	-3.32	-3.02	-3.26	4.18

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
57.0	8.40	7.65	6.80	5.79	4.52	2.90	.91	1.27	-3.38	5.17	6.40	6.88	6.72	-6.07	5.11	-4.00	-2.90	1.92	1.17	.72
57.5	8.40	7.68	6.83	5.71	4.17	2.10	-.57	-3.58	6.58	-9.24	11.20	12.22	-12.44	-12.08	-11.35	-10.50	9.69	8.92	8.10	7.18
58.0	8.00	5.80	3.70	1.81	-.25	-.90	-1.56	1.88	-2.02	-2.17	2.50	3.13	-3.92	-4.66	-5.16	-5.20	-4.68	3.81	-2.90	2.26
58.5	9.10	6.49	4.01	1.77	-1.11	-1.50	-2.34	-2.81	-3.15	-3.60	4.40	-5.68	-7.18	8.53	9.36	9.30	8.14	-6.29	-4.32	-2.80
59.0	7.30	6.32	5.37	4.48	3.68	3.00	2.44	1.88	1.18	.20	1.20	-3.09	-5.21	-7.22	-8.76	-9.50	9.23	8.25	-7.03	-5.99
59.5	8.10	7.49	6.79	5.95	4.88	3.50	1.78	-.18	2.23	-4.22	6.00	-7.46	8.60	9.45	10.04	-10.40	-10.57	-10.60	-10.54	-10.45
60.0	4.60	2.40	28	-1.66	-3.35	-4.70	-5.65	6.25	6.59	-6.75	6.80	-6.82	-6.84	6.90	7.01	-7.20	-7.48	-7.76	-7.91	-7.83
60.5	5.30	5.08	4.75	4.22	3.37	2.10	.38	1.52	-3.28	-4.55	5.00	4.43	-3.17	1.67	-.39	.20	-.22	-1.43	-3.10	-4.87
61.0	3.90	2.34	.87	-.45	-1.53	-2.30	-2.72	-2.94	-3.14	-3.53	4.30	-5.55	-7.08	8.59	-9.80	-10.40	-10.22	9.49	8.58	-7.83
61.5	2.60	3.22	3.72	3.99	3.92	3.40	2.37	1.03	-.37	-1.57	2.30	3.62	-2.13	-6.87	8.35	-9.50	-10.20	-5.32	-7.28	-9.00
62.0	2.10	1.88	1.65	1.41	1.16	.90	.60	-.22	-.33	-1.12	2.20	3.62	-5.23	-6.87	8.35	-9.50	-10.20	-10.53	-10.61	-10.59
62.5	-1.10	-2.26	3.39	4.48	-5.49	-6.40	-7.18	7.78	8.16	8.25	8.00	7.40	-6.53	-5.52	4.50	3.60	-2.90	-2.39	-1.99	1.65
63.0	-5.00	-6.00	6.84	7.36	-7.40	-6.80	-5.49	3.79	2.09	-.79	.30	-.88	-2.21	3.86	5.37	6.30	-6.34	-5.78	5.04	-4.54
63.5	.90	1.27	1.49	1.40	.86	-.30	2.12	4.29	6.37	7.95	8.60	8.07	6.76	-5.26	4.15	-4.00	-5.20	-7.36	-9.89	-12.20
64.0	.60	1.06	1.37	1.41	1.03	10	1.45	3.36	5.29	6.92	7.90	-8.01	-7.48	-6.63	5.79	-5.30	-5.40	-5.97	6.81	-7.72
64.5	2.70	-.29	3.12	5.61	7.59	8.90	9.43	9.29	8.67	-7.75	6.70	5.71	5.01	-4.80	5.33	-6.80	-9.30	-12.32	15.18	-17.23
65.0	4.70	-3.81	2.97	2.22	-1.62	1.20	1.01	1.06	1.32	1.81	2.50	3.38	4.38	5.40	6.37	-7.20	7.82	8.29	8.68	9.05
65.5	3.20	3.37	3.43	3.26	2.76	1.80	.34	1.45	3.33	5.05	6.40	7.19	7.49	7.45	7.21	6.90	6.63	6.41	6.18	-5.92
66.0	1.60	1.04	.52	.05	-.33	-.60	-.74	.81	.91	1.11	1.50	2.14	-3.02	-4.11	5.38	6.80	-8.31	-9.76	10.96	11.73
66.5	1.10	-2.84	4.52	6.05	7.37	8.40	9.09	9.45	9.49	9.24	8.70	7.94	7.17	6.64	6.60	7.30	8.86	-10.84	-12.67	-13.78
67.0	3.90	-4.86	5.78	6.63	7.38	8.00	8.47	8.86	9.27	9.78	10.50	11.45	-12.47	13.30	-13.72	-13.50	-12.47	-10.75	8.55	6.07
67.5	2.30	12	1.96	3.81	5.33	6.40	6.97	7.18	7.24	7.45	7.70	8.43	9.42	10.47	-11.39	12.00	-12.15	-11.89	11.32	10.56
68.0	3.70	-5.21	6.66	7.98	9.12	10.00	10.57	10.81	10.69	-10.19	9.30	8.02	6.51	4.94	3.51	-2.40	-1.73	-1.43	1.35	1.35
68.5	-1.30	-4.29	7.14	9.72	-11.89	-13.50	14.46	14.81	14.61	13.95	12.90	11.54	-9.98	8.37	6.83	-5.50	-4.46	3.67	3.02	2.43
69.0	-2.70	-4.21	-5.73	-7.23	-8.72	-10.20	11.64	12.90	13.85	-14.33	14.20	13.36	-11.98	10.30	-8.53	6.90	-5.59	-4.56	3.72	2.96
69.5	-10.50	-9.29	-8.27	-7.61	-7.49	-8.10	9.51	-11.38	-13.25	14.68	-15.20	14.50	-12.73	-10.22	-7.24	-4.10	-1.10	1.46	5.27	4.02
70.0	-3.90	-5.36	-6.82	-8.30	-9.79	-11.30	-12.81	-14.16	15.20	-15.73	-15.60	-14.69	-13.17	-11.27	-9.24	-7.30	-5.68	-4.54	-4.01	-4.25
70.5	-6.50	-5.83	-5.34	-5.23	-5.69	-6.90	-8.94	11.40	13.79	15.60	16.30	15.56	-13.68	-11.13	-8.38	-5.90	-4.06	-2.89	-2.32	2.28
71.0	-5.80	-7.00	-8.16	-9.25	-10.20	-11.00	11.60	-11.96	-12.07	11.89	-11.40	-10.59	-9.50	-8.22	-6.79	-5.30	-3.81	-2.41	-1.18	-.22
71.5	-4.90	-7.45	-9.77	-11.65	-12.87	-13.20	-12.53	-11.17	-9.54	-8.04	-7.10	-6.99	-7.42	-7.96	-8.20	-7.70	-6.20	-4.11	-1.99	-.39
72.0	-13.30	-14.26	-15.14	-15.86	-16.34	-16.50	-16.27	-15.67	-14.73	-13.46	-11.90	-10.12	-8.35	-6.87	-5.96	-5.90	-6.82	-8.34	9.91	-11.01
72.5	-5.50	-6.35	-7.12	-7.71	-8.03	-8.00	-7.57	-6.84	-5.99	-5.16	4.50	-4.15	-4.10	-4.34	-4.85	-5.60	-6.54	-7.54	-8.43	9.04
73.0	-4.60	-4.81	-5.04	-5.30	-5.61	-6.00	-6.46	-6.94	-7.37	-7.68	-7.80	-7.68	-7.36	-6.90	-6.36	-5.80	-5.26	-4.77	-4.32	-3.93
73.5	-10.10	-9.20	-8.35	-7.60	-7.00	-6.60	-6.43	-6.44	-6.58	-6.79	-7.00	-7.16	-7.25	-7.24	-7.09	-6.80	-6.34	5.71	-4.92	-3.98
74.0	-9.90	-9.34	-8.76	-8.17	-7.55	-6.90	-6.22	-5.58	-5.05	-4.73	-4.70	-4.99	-5.49	-6.03	-6.46	-6.60	-6.35	-5.82	-5.15	-4.49
74.5	-19.60	-18.14	-16.59	-14.87	-12.90	-10.60	-7.95	-5.26	-2.91	-1.26	-.70	-1.43	-2.99	-4.73	-6.02	-6.20	-4.86	-2.42	-.46	3.15
75.0	-9.70	-8.77	-7.78	-6.70	-5.45	-4.00	-2.34	-.69	.70	1.55	1.60	.71	-.81	-2.49	-3.90	-4.60	-4.26	-3.10	-1.44	.37
75.5	-3.70	-3.44	-3.23	-3.13	-3.16	-3.40	-3.85	-4.37	-4.80	-4.97	-4.70	-3.90	-2.77	-1.55	-.50	.10	.08	-.45	-1.31	2.33
76.0	-6.50	-8.22	-9.73	-10.85	-11.37	-11.10	-9.91	-8.02	-5.73	-3.32	-1.10	.70	2.05	2.99	3.52	3.70	3.56	3.24	2.88	2.65
76.5	-4.90	-6.26	-7.53	-8.59	-9.35	-9.70	-9.58	-9.09	-8.34	-7.47	-6.60	-5.84	-5.26	-4.89	-4.79	-5.00	-5.49	-5.96	-6.02	5.29
77.0	-4.70	-5.21	-5.68	-6.07	-6.36	-6.50	-6.48	-6.42	-6.44	-6.69	-7.30	-8.33	-9.53	-10.57	-11.14	-10.90	-9.64	-7.55	-4.96	2.17
77.5	-2.80	-1.74	-.86	-.33	-.32	-1.00	-2.46	-4.38	-6.34	-7.96	8.80	-8.58	-7.49	-5.81	-3.85	-1.90	-.19	1.35	2.85	4.46
78.0	-6.40	-6.47	-6.57	-6.75	-7.05	-7.50	-8.11	-8.75	-9.27	-9.50	9.30	-8.56	-7.45	-6.17	-4.95	-4.00	-3.47	-3.22	3.02	2.65

ASPECT
ANGLE

BISTATIC ANGLE

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
35.5	12.40	12.45	12.27	11.62	10.28	8.00	4.70	.86	2.90	-5.96	-7.70	-7.73	6.62	-5.19	-4.25	-4.60	6.79	-10.24	14.11	-17.54
36.0	11.90	11.90	11.62	10.80	9.15	6.40	2.44	-2.17	6.73	-10.51	12.80	13.12	-11.97	10.08	8.18	-7.00	-7.07	-8.08	9.48	-10.77
36.5	11.60	12.43	12.81	12.32	10.49	6.90	1.37	-5.19	11.57	-16.61	-19.10	18.26	-14.90	-10.21	-5.41	-1.70	.01	.00	-1.17	2.93
37.0	12.30	12.66	12.68	12.00	10.29	7.20	2.60	-2.82	8.11	-12.38	-14.70	14.46	-12.26	-9.02	-5.67	-3.10	-2.02	-2.27	-3.46	-5.19
37.5	12.30	12.14	11.85	11.28	10.31	8.80	6.67	4.08	1.23	-1.67	-4.40	-6.78	-8.69	-10.06	-10.79	-10.80	-10.08	-8.96	-7.84	-7.12
38.0	11.20	10.81	10.25	9.39	8.06	6.10	3.44	.35	-2.83	-5.76	8.10	-9.58	-10.28	-10.36	-9.98	9.30	-8.48	-7.62	-6.84	6.23
38.5	11.90	11.09	10.16	8.98	7.43	5.40	2.82	-1.08	-3.02	-5.73	-7.90	-9.33	-10.07	-10.24	-9.98	-9.40	-8.65	-7.94	-7.52	-7.63
39.0	11.80	11.05	10.21	9.17	7.83	6.10	3.92	1.45	-1.13	-3.61	-5.80	-7.55	-8.92	-10.00	-10.90	-11.70	-12.48	-13.20	-13.76	-14.09
39.5	10.90	10.45	9.93	9.27	8.42	7.30	5.87	4.21	2.42	-5.8	-1.20	-2.85	-4.41	-5.94	-7.52	-9.20	-11.00	-12.70	-14.01	-14.67
40.0	11.90	11.85	11.64	11.09	10.03	8.30	5.82	2.84	-2.7	-3.17	-5.50	-7.01	-7.83	-8.15	-8.21	-8.20	-8.32	-8.60	-9.07	-9.73
40.5	10.10	10.67	10.92	10.53	9.20	6.60	2.60	-2.20	7.02	-11.08	-13.60	-14.03	-12.80	-10.58	-8.02	-5.80	-4.44	-3.90	-4.03	-4.65
41.0	11.20	11.30	11.26	10.96	10.25	9.00	7.14	4.84	2.31	-2.1	2.50	-4.39	-5.96	-7.32	-8.63	-10.00	-11.52	-13.08	-14.52	-15.68
41.5	9.30	10.16	10.76	10.85	10.18	8.50	5.67	2.05	-1.87	5.61	8.70	10.76	-11.93	-12.45	-12.56	-12.50	-12.47	-12.42	-12.24	-11.83
42.0	10.20	10.73	11.04	10.90	10.10	8.40	5.70	2.36	1.16	-4.41	6.90	8.32	-8.91	-9.04	-9.11	-9.50	-10.47	-11.82	-13.23	-14.40
42.5	11.90	11.34	10.64	9.67	8.30	6.40	3.90	1.06	-1.81	4.37	6.30	7.40	-7.92	-8.26	-8.79	9.90	-11.83	-14.29	-16.84	19.05
43.0	11.00	10.34	9.58	8.62	7.36	5.70	3.59	1.13	1.52	-4.22	-6.80	-9.13	-11.11	-12.62	-13.59	-13.90	-13.53	-12.72	-11.79	11.05
43.5	12.40	11.74	11.02	10.20	9.21	8.00	6.54	4.84	2.94	.88	1.30	-3.55	-5.75	-7.76	-9.46	-10.70	-11.41	-11.75	-11.94	12.18
44.0	10.90	10.64	10.24	9.53	8.36	6.60	4.16	1.31	1.63	-4.31	6.40	-7.65	-8.19	-8.22	-7.95	-7.60	-7.34	-7.27	-7.41	7.81
44.5	12.70	11.46	10.26	9.12	8.09	7.20	6.43	5.58	4.38	2.57	10	3.75	-7.89	-11.90	-15.15	17.00	-17.02	-15.56	-13.14	10.31
45.0	12.20	11.98	11.61	10.95	9.86	8.20	5.88	3.05	-0.5	-3.21	6.20	8.83	10.97	-12.53	-13.41	13.50	-12.78	-11.53	10.08	8.79
45.5	10.80	9.80	8.77	7.67	6.50	5.20	3.77	2.27	.76	-6.9	-2.00	3.15	-4.24	-5.41	-6.82	-8.60	-10.82	-13.18	-15.31	16.84
46.0	10.40	10.61	10.68	10.45	9.77	8.50	6.55	4.13	1.49	-1.11	3.40	-5.18	-6.48	-7.40	-8.05	-8.50	-8.84	-9.06	-9.13	9.02
46.5	10.70	9.94	9.14	8.27	7.30	6.20	4.94	3.58	2.16	.75	.60	1.84	-2.96	-4.01	-4.98	-5.90	-6.78	-7.61	8.37	9.04
47.0	10.20	10.09	9.83	9.24	8.19	6.50	4.11	1.29	1.57	-4.13	6.00	-6.94	-7.15	-6.94	-6.66	-6.60	-7.02	-7.85	-8.93	10.13
47.5	9.50	9.32	9.02	8.48	7.58	6.20	4.28	2.03	-2.8	-2.38	-4.00	-4.95	-5.40	-5.59	-5.78	-6.20	-7.04	-8.17	-9.41	10.55
48.0	11.50	10.74	9.85	8.69	7.12	5.00	2.29	.75	3.77	6.40	8.30	-9.22	-9.36	-9.00	-8.45	-8.00	-7.87	-7.97	-8.14	8.20
48.5	8.90	9.49	9.90	9.94	9.44	8.20	6.12	3.34	.08	-3.44	7.00	-10.38	-13.27	-15.36	-16.34	-15.90	-13.91	-11.00	-8.00	-5.73
49.0	11.20	11.02	10.70	10.13	9.17	7.70	5.63	3.10	.26	-2.69	-5.60	-8.28	-10.53	-12.15	-12.94	-12.70	-11.37	-9.49	-7.74	6.81
49.5	9.70	9.40	9.00	8.42	7.55	6.30	4.62	2.67	.63	-1.29	2.90	-4.05	-4.79	-5.18	-5.32	-5.30	-5.18	-4.97	-4.67	4.28
50.0	11.10	10.73	10.26	9.58	8.59	7.20	5.32	2.96	.17	-3.03	6.60	-10.43	-14.12	-17.21	-19.22	-19.70	-18.38	-15.84	-12.87	-10.26
50.5	9.00	8.32	7.68	7.09	6.58	6.20	5.92	5.57	4.93	3.78	1.90	-8.0	-3.97	-7.11	-9.75	-11.40	-11.72	-10.96	-9.51	-7.76
51.0	9.70	9.87	9.86	9.47	8.51	6.80	4.25	1.18	-1.97	-4.77	-6.80	-7.76	-7.91	-7.64	-7.34	-7.40	-8.10	-9.21	-10.40	-11.31
51.5	10.40	9.40	8.39	7.37	6.34	5.30	4.23	3.11	1.90	.58	.90	-2.53	-4.20	-5.73	-6.98	-7.80	-8.09	-8.07	-8.01	8.20
52.0	10.70	9.89	9.02	8.01	6.79	5.30	3.50	1.49	-5.8	-2.59	-4.40	-5.90	-7.09	-8.02	-8.71	-9.20	-9.51	-9.63	-9.52	9.16
52.5	7.90	7.84	7.70	7.41	6.90	6.10	4.95	3.53	1.94	.26	-1.40	-2.96	-4.43	-5.80	-7.08	-8.30	-9.45	-10.50	-11.41	12.16
53.0	8.40	8.88	9.24	9.35	9.08	8.30	6.96	5.26	3.47	1.86	.70	.17	.07	.13	.07	-4.0	-1.45	-2.89	-4.41	5.72
53.5	8.80	8.16	7.49	6.78	5.99	5.10	4.10	3.02	1.90	.78	.30	-1.31	-2.28	-3.25	-4.28	-5.40	-6.63	-7.87	-8.98	9.84
54.0	9.30	8.99	8.61	8.11	7.43	6.50	5.29	3.86	2.29	.68	-.90	-2.36	-3.66	-4.74	-5.57	-6.10	-6.32	-6.33	-6.26	6.24
54.5	7.70	8.12	8.36	8.23	7.54	6.10	3.84	1.07	-1.78	-4.28	-6.00	-6.67	-6.56	-6.11	-5.75	-5.90	-6.86	-8.34	-9.94	11.23
55.0	8.60	9.32	9.81	9.86	9.23	7.70	5.16	1.98	-1.38	-4.43	-6.70	-7.85	-8.08	-7.73	-7.16	-6.70	-6.62	-6.84	-7.23	7.63
55.5	7.70	8.27	8.66	8.69	8.20	7.00	4.99	2.34	-.69	-3.86	-6.90	-9.60	-11.81	-13.41	-14.28	-14.30	-13.42	-11.85	9.87	7.76
56.0	10.00	9.35	8.60	7.63	6.33	4.60	2.39	-.11	-2.65	-4.96	-6.80	-7.98	-8.58	-8.78	-8.74	-8.60	-8.50	-8.42	-8.40	8.08
56.5	8.10	7.94	7.64	7.09	6.15	4.70	2.66	.18	-2.53	-5.26	-7.80	-9.98	-11.76	-13.11	-14.03	-14.50	-14.52	-14.13	13.39	13.36

ASPECT
ANGLE

BISTATIC ANGLE

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
78.5	-60	79	1.98	2.85	3.30	3.27	2.82	2.09	1.17	.20	-.72	-1.44	-1.84	-1.77	-1.10	.23	1.92	3.61	4.93
79.0	-6.71	8.96	-10.68	-11.62	-11.50	-10.20	-8.09	-5.70	-3.53	-2.10	1.76	2.25	-3.13	-3.99	-4.40	-4.02	-2.91	-1.21	.94
79.5	-1.68	.81	2.66	3.53	3.10	1.23	-1.53	4.43	6.74	7.70	6.82	-4.54	-1.53	1.54	4.00	5.35	5.82	5.82	5.78
80.0	-15.80	-12.23	-8.80	-5.69	-3.04	-.31	.92	-.91	.34	-.70	-2.08	-3.41	-4.23	-4.08	-2.50	1.48	4.92	9.12	12.39
80.5	3.60	-.80	-4.23	-6.16	-7.50	-8.16	8.24	-7.89	-7.26	6.50	-5.72	-4.85	-3.80	-2.45	-.70	1.88	3.88	6.19	8.13
81.0	6.80	-4.16	-1.67	50	3.30	3.68	3.53	3.10	2.64	2.40	2.57	3.09	-3.80	4.72	5.60	6.37	6.85	7.26	7.24
81.5	1.50	-2.36	-5.87	-10.35	-10.60	9.23	-6.76	-3.91	-1.39	.10	.09	-.91	-2.13	-2.82	-2.20	.18	3.59	7.00	9.38
82.0	-3.10	-2.82	-2.61	-2.64	-3.00	-3.64	-4.39	-5.06	-5.43	-5.30	-4.54	-3.27	-1.71	-.05	1.50	2.71	3.67	4.18	4.24
82.5	-2.80	-1.13	2.22	3.94	4.71	4.20	2.29	-4.3	-5.20	-5.70	-4.18	1.27	2.12	5.08	6.70	6.36	4.57	2.10	.25
83.0	3.00	1.06	-.73	-3.22	-3.60	-3.25	-2.26	-.77	1.10	3.20	5.38	7.44	9.14	10.27	10.60	10.00	8.74	7.16	5.63
83.5	1.40	1.20	.92	-.16	-1.10	-2.33	-3.50	-4.19	-3.97	2.40	.70	4.60	8.31	10.87	11.30	8.99	4.83	.06	-4.07
84.0	3.00	3.11	3.21	3.41	3.50	3.59	3.69	3.84	4.07	4.40	4.84	5.31	5.71	5.94	5.90	5.51	4.82	3.89	2.79
84.5	-1.40	-5.44	-9.00	-12.80	-12.10	-9.26	-5.02	-.32	3.87	6.60	7.19	6.32	4.20	2.16	.80	.67	1.49	2.74	3.91
85.0	-5.50	-8.35	-10.77	-12.32	-11.10	7.69	3.07	1.79	5.93	8.40	8.54	6.94	4.47	2.03	.50	.50	1.53	2.85	3.69
85.5	.00	-.26	-.33	.00	2.60	5.14	8.06	10.76	12.64	13.10	11.77	9.20	6.15	3.40	1.70	1.57	2.43	3.47	3.83
86.0	5.50	3.19	1.11	-1.42	1.40	-.33	1.48	3.57	5.53	6.90	7.38	7.13	6.44	5.60	4.90	4.52	4.22	3.66	2.50
86.5	6.00	-3.23	-.62	3.41	4.50	4.81	4.51	3.84	3.02	2.30	1.85	1.65	1.61	1.65	1.70	1.67	1.53	1.23	.73
87.0	-5.60	-1.83	1.82	8.25	10.80	12.71	13.75	13.67	12.20	9.10	4.29	-1.54	-7.52	-12.76	-16.40	-17.83	-17.54	-16.30	14.86
87.5	2.10	3.61	5.00	6.17	7.40	7.27	6.65	5.64	4.29	2.70	.93	-.96	2.92	4.88	6.80	8.59	10.06	-10.99	-11.14
88.0	1.90	2.19	5.94	9.04	11.13	11.16	9.38	7.17	5.14	3.90	3.86	4.54	5.26	5.34	4.10	1.09	-3.15	-7.85	12.22
88.5	2.70	4.00	5.22	6.28	7.10	7.73	7.52	7.03	6.34	5.50	4.54	3.31	1.63	-.68	-3.80	-7.76	-11.98	15.72	18.24
89.0	2.60	3.61	4.50	5.42	5.20	4.41	3.18	1.66	.05	1.50	2.85	4.05	-5.17	-6.29	-7.50	-8.82	-10.04	-10.00	11.14
89.5	11.90	12.58	12.99	12.84	9.80	6.51	2.51	1.53	4.92	-7.00	7.34	6.46	-5.13	-4.12	-4.20	-5.90	-8.79	12.23	15.55
90.0	12.60	7.29	2.37	-1.75	-4.67	-5.52	3.78	1.50	.61	1.80	1.56	.16	-1.93	-4.24	-6.30	-7.73	-8.56	-8.92	8.92
90.5	12.50	11.84	11.05	8.65	6.80	4.43	1.80	-.76	-2.90	-4.30	4.74	-4.48	-3.90	-3.38	-3.30	-3.95	-5.24	-6.98	9.00
91.0	11.50	8.47	5.67	3.35	1.10	1.51	2.53	3.57	4.06	3.40	1.24	-1.88	-5.21	-7.97	-9.40	-9.00	-7.32	-5.14	-3.26
91.5	6.50	5.86	5.24	4.65	3.70	3.35	2.99	2.54	1.87	.90	-.43	-1.94	-3.39	-4.56	-5.20	-5.18	-4.69	-4.04	-3.51
92.0	9.90	6.41	3.16	1.73	-2.90	-3.02	-2.40	-1.45	-.62	-.30	-.79	-1.82	-3.00	-3.93	-4.20	-3.59	-2.55	-1.69	-1.63
92.5	9.90	7.59	5.33	3.15	-3.90	-3.86	-4.00	-5.32	-6.48	-7.50	-8.37	-9.03	-9.42	-9.47	-9.10	-8.28	-7.16	-5.88	-4.64
93.0	-7.70	-6.67	-5.70	-4.88	-4.25	-3.86	-4.06	-4.42	-4.83	-5.20	-5.45	-5.56	-5.51	-5.29	-4.90	-4.35	-3.78	-3.35	-3.24
93.5	8.20	8.01	7.68	7.10	6.11	2.50	.06	-2.40	-4.56	-6.10	-6.80	-6.78	-6.29	-5.56	-4.80	-4.22	-3.83	-3.64	-3.64
94.0	-2.0	.94	1.81	1.66	1.10	-2.63	-5.93	-9.03	-11.15	-11.50	-9.63	-6.29	-2.57	-.45	1.70	.45	-2.65	-6.59	-10.37
94.5	-10.60	-9.04	-7.61	-6.42	-5.30	-5.55	-6.18	-6.95	-7.60	-7.90	-7.68	-7.14	-6.56	-6.22	-6.40	-7.29	-8.68	-10.29	-11.83
95.0	-2.0	-4.60	-8.73	-15.15	-16.90	-17.43	-16.95	-15.78	-14.22	-12.60	-11.17	-10.47	-10.53	-10.23	-9.60	-8.68	-7.68	-6.86	-6.48
95.5	-2.40	-2.23	-2.15	-2.22	-3.20	-4.22	-5.50	-6.87	-8.19	-9.30	-10.07	-10.43	-10.47	-10.23	-9.60	-8.68	-7.68	-6.86	-6.48
96.0	-4.60	-3.69	-2.86	-1.83	-1.80	-2.17	-2.84	-3.67	-4.50	-5.20	-5.67	-6.03	-6.41	-6.98	-7.90	-9.23	-10.74	-12.09	-12.95
96.5	1.00	-1.20	-3.30	-6.89	-8.20	-9.07	-9.47	-9.38	-8.76	-7.60	-5.95	-4.15	-2.64	-1.85	-2.20	-3.95	-6.68	-9.78	-12.65
97.0	-5.0	-4.18	-7.60	-12.57	-13.60	-13.43	-12.46	-11.22	-10.22	-10.00	-10.89	-12.46	-14.12	-15.23	-15.20	-13.63	-10.99	-7.97	-5.28
97.5	3.40	2.23	1.07	-1.20	-2.30	-3.36	-4.35	-5.23	-5.96	-6.50	-6.86	-7.17	-7.64	-8.46	-9.80	-11.76	-14.05	-16.25	-17.96
98.0	-11.20	-11.30	-11.34	-11.00	-10.50	-9.74	-8.82	-7.88	-7.06	-6.50	-6.29	-6.32	-6.43	-6.44	-6.20	-5.62	-4.93	-4.44	-4.46
98.5	-2.00	-1.08	-.35	-.13	-1.00	-2.68	-4.92	-7.38	-9.72	-11.60	-12.78	-13.36	-13.54	-13.52	-13.50	-13.62	-13.62	-13.98	-13.98
99.0	-2.90	-3.45	-4.04	-5.53	-6.50	-7.65	-8.85	-9.94	-10.74	-11.10	-10.91	-10.27	-9.35	-8.30	-7.30	-6.48	-5.94	-5.73	-5.93
99.5	.80	.37	-.23	-2.69	-4.90	-7.89	-11.25	-14.47	-17.03	-18.40	-18.24	-16.89	-14.86	-12.66	-10.80	-9.67	-9.18	-9.13	9.30

ASPECT

BISTATIC ANGLE

ANGLE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100.0	-3.10	-1.02	.70	1.70	1.62	.10	3.00	6.95	10.83	13.69	14.60	12.95	-9.51	5.37	-1.64	.60	.56	-1.24	-3.97	6.81
100.5	4.10	3.15	2.14	1.00	-.32	-1.90	-3.74	-5.64	-7.35	-8.62	-9.20	8.94	-8.16	-7.26	-6.67	-6.80	-7.93	-9.80	-11.98	-14.09
101.0	6.20	-5.55	-5.09	-5.00	-5.48	6.70	-8.75	-11.25	13.75	-15.76	-16.80	16.57	15.40	-13.79	-12.22	-11.20	-11.09	-11.71	-12.77	-13.97
101.5	.50	-2.41	-5.20	-7.74	-9.92	11.60	12.70	-13.22	13.20	-12.68	-11.70	-10.32	-8.71	-7.08	-5.65	-4.60	-4.09	-4.04	4.30	4.74
102.0	-2.0	-3.09	-5.86	-8.39	-10.54	12.20	13.27	-13.74	13.66	13.03	-11.90	10.32	-8.50	-6.68	-5.10	-4.00	-3.55	3.65	4.14	4.85
102.5	-5.40	-7.98	-10.32	-12.21	-13.41	-13.70	-12.95	-11.45	-9.63	-7.87	-6.60	-6.12	-6.35	-7.12	-8.26	-9.60	-10.97	-12.23	-13.24	-13.88
103.0	-1.60	-1.36	-1.22	-1.26	-1.59	-2.30	-3.44	-4.86	-6.38	-7.83	-9.00	-9.76	-10.12	-10.14	-9.88	-9.40	-8.76	-8.07	-7.46	7.02
103.5	-15.80	-15.19	-14.47	-13.56	-12.33	-10.70	-8.65	-6.55	-4.85	-4.02	-4.50	-6.56	-9.67	-13.12	-16.17	-18.10	-18.41	-17.45	-15.79	13.98
104.0	-22.10	-18.67	-15.48	-12.76	-10.75	-9.70	-9.72	-10.47	-11.50	-12.36	-12.60	-11.89	-10.45	-8.64	-6.81	-5.30	-4.41	-4.13	-4.41	5.19
104.5	-9.00	-6.72	-4.77	-3.51	-3.27	-4.40	-7.04	-10.58	-14.22	-17.16	-18.60	-17.99	-15.81	-12.79	-9.68	-7.20	-5.91	-5.63	5.99	6.64
105.0	-15.10	-10.20	-5.72	-2.07	.35	1.10	-.04	-2.59	5.89	9.28	-12.10	-13.83	-14.50	-14.28	-13.32	-11.80	-9.91	-7.97	-6.33	5.32
105.5	-7.10	-7.47	-7.86	-8.27	-8.71	-9.20	-9.72	-10.17	-10.42	-10.34	-9.80	8.75	-7.40	-6.07	-5.03	-4.60	-4.98	-6.03	-7.55	9.31
106.0	-1.70	-4.42	-6.98	-9.25	-11.08	-12.30	-12.84	-12.87	-12.62	-12.32	-12.20	-12.42	12.83	-13.20	-13.30	-12.90	-11.86	-10.37	-8.72	7.17
106.5	-13.50	-12.14	-10.88	-9.81	-9.02	-8.60	-8.61	-8.94	-9.44	-9.94	-10.30	-10.39	10.22	-9.81	-9.19	-8.40	-7.48	-6.54	-5.74	5.22
107.0	-17.50	-13.69	-10.22	-7.43	-5.64	-5.20	-6.26	-8.28	-10.53	-12.28	-12.80	-11.62	-9.29	-6.59	-4.33	-3.30	-4.05	-6.09	-8.70	11.15
107.5	-5.40	-4.53	-3.88	-3.69	-4.19	-5.60	-8.02	-11.05	-14.15	-16.78	-18.40	-18.63	17.70	-15.97	-13.81	-11.60	-9.66	-8.07	-6.89	6.15
108.0	-2.90	-5.66	-8.32	-10.81	-13.03	-14.90	-16.32	-17.19	-17.43	-16.93	-15.60	13.43	10.82	-8.22	-6.12	-5.00	-5.15	-6.18	-7.52	8.58
108.5	4.00	-2.69	-1.58	-.87	.78	1.50	3.15	5.54	8.37	11.35	14.20	16.65	18.47	19.45	-19.40	-18.10	-15.49	-12.07	-8.50	5.43
109.0	-13.10	-11.29	-9.55	-7.97	-6.63	-5.60	-4.95	-4.70	-4.86	-5.42	-6.40	-7.75	9.19	10.43	-11.14	-11.00	-9.82	-7.90	-5.66	3.52
109.5	-14.50	-11.78	-9.19	-6.89	-5.03	-3.70	-3.05	-3.02	-3.49	-4.39	-5.60	-7.01	8.41	-9.55	-10.20	-10.10	-9.13	-7.56	-5.76	4.11
110.0	-4.90	-6.29	-7.57	-8.64	-9.39	-9.70	-9.53	-9.06	-8.53	-8.16	-8.20	-8.79	-9.69	-10.56	-11.08	-10.90	-9.82	-8.15	-6.32	4.76
110.5	-5.10	-3.57	-2.20	-1.15	-.56	.60	1.36	2.68	4.35	6.12	-7.80	-9.19	10.28	-11.09	-11.66	-12.00	-12.13	-12.04	-11.69	-11.05
111.0	.30	2.24	-4.58	-6.54	-7.91	-8.50	-8.21	-7.33	-6.23	-5.29	-4.90	-5.30	6.26	-7.39	-8.33	-8.70	-8.26	-7.26	-6.10	5.15
111.5	.10	-.72	-1.52	-2.31	-3.07	-3.80	-4.48	-5.10	-5.64	-6.08	-6.40	-6.59	-6.62	-6.45	-6.05	-5.40	-4.52	-3.68	-3.21	3.44
112.0	-.70	-1.80	-2.78	-3.54	-3.95	-3.90	-3.37	-2.67	-2.22	-2.43	-3.70	-6.28	-9.70	-13.35	-16.59	-18.80	-19.52	-19.01	-17.68	15.97
112.5	-3.60	-3.36	-3.10	-2.80	-2.44	-2.00	-1.50	-1.15	-1.20	1.90	-3.50	-6.10	-9.18	-12.04	-14.01	-14.40	-12.79	-9.78	-6.24	3.02
113.0	-4.70	-4.11	-3.55	-3.04	-2.62	-2.30	-2.13	-2.19	-2.58	-3.38	-4.70	-6.55	-8.65	-10.65	-12.18	-12.90	-12.58	-11.53	-10.18	9.00
113.5	-10.40	-9.86	-9.27	-8.60	-7.79	-6.80	-5.62	-4.34	-3.09	-2.00	-1.20	-7.8	-7.5	-1.07	-1.73	-2.70	-3.93	-5.33	-6.77	-8.13
114.0	-10.10	-11.50	-12.65	-13.31	-13.24	-12.20	-10.08	-7.34	-4.58	-2.40	-1.40	-2.00	-3.86	-6.47	-9.32	-11.90	-13.78	-14.92	-15.37	-15.18
114.5	-4.70	-4.47	-4.23	-3.93	-3.56	-3.10	-2.57	-2.21	-2.28	-3.09	-4.90	-7.83	-11.29	-14.54	-16.83	-17.40	-15.80	-12.75	-9.27	6.38
115.0	-7.70	-5.88	-4.14	-2.53	-1.13	.00	.77	1.10	.86	-.03	-1.70	-4.14	-6.94	-9.61	-11.63	-12.50	-11.91	-10.34	-8.47	-7.00
115.5	-7.80	-8.21	-8.55	-8.77	-8.81	-8.60	-8.11	-7.38	-6.51	-5.55	-4.60	-3.74	-3.10	-2.85	-3.13	-4.10	-5.82	-8.06	-10.50	-12.82
116.0	-4.10	-4.59	-5.09	-5.62	-6.19	-6.80	-7.46	-8.09	-8.60	-8.90	-8.90	-8.55	-7.97	-7.33	-6.78	-6.50	-6.59	-6.98	-7.55	-8.16
116.5	-5.00	-4.01	-3.23	-2.85	-3.07	-4.10	-6.03	-8.50	-11.06	-13.25	-14.60	-14.80	-14.07	-12.80	-11.35	-10.10	-9.34	-9.08	-9.24	-9.74
117.0	-3.60	-3.29	-3.06	-2.97	-3.09	-3.50	-4.23	-5.17	-6.20	-7.15	-7.90	-8.35	-8.61	-8.84	-9.18	-9.80	-10.80	-12.12	-13.62	15.18
117.5	.60	1.12	1.50	1.59	1.28	.40	-1.10	-2.97	-4.89	-6.54	-7.60	-7.86	-7.61	-7.25	-7.18	-7.80	-9.37	-11.62	-14.10	-16.40
118.0	.50	-3.41	-7.04	-10.11	-12.36	-13.50	-13.37	-12.26	-10.56	-8.67	-7.00	-5.88	-5.39	-5.55	-6.38	-7.90	-10.08	-12.66	-15.34	17.83
118.5	-4.10	-2.95	-2.05	-1.64	-1.97	-3.30	-5.71	-8.66	-11.45	-13.40	-13.80	-12.23	-9.38	-6.20	-3.65	-2.70	-3.99	-6.99	-10.84	14.69
119.0	-2.20	-3.50	-4.69	-5.68	-6.35	-6.60	-6.39	-5.90	-5.39	-5.10	-5.30	-6.14	-7.46	-9.00	-10.49	-11.70	-12.41	-12.61	-12.37	11.71
119.5	-12.50	-9.66	-7.22	-5.60	-5.19	-6.40	-9.42	-13.55	-17.86	-21.45	-23.40	-23.07	-21.00	-18.02	-14.94	-12.60	-11.60	-11.69	-12.41	13.30
120.0	-3.60	-2.60	-1.90	-1.81	-2.65	-4.70	-8.09	-12.19	-16.16	-19.17	-20.40	-19.30	-16.42	-12.60	-8.69	-5.50	-3.70	-3.18	3.66	4.86
120.5	-4.00	-3.36	-2.90	-2.78	-3.19	-4.30	-6.17	-8.43	-11.59	-12.18	-12.70	-11.85	-9.98	-7.63	-5.33	-3.60	-2.85	-2.97	-3.71	4.83
121.0	-13.10	-11.55	-10.18	-9.13	-8.58	-8.70	-9.55	-10.78	-11.95	-12.60	-12.30	-10.75	-8.36	-5.66	-3.22	-1.60	-1.20	-1.87	3.31	5.22

ASPECT ANGLE	BISTATIC ANGLE																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
143.0	-13.30	-10.91	8.73	6.94	-5.77	-5.40	5.95	-7.19	8.80	10.44	11.80	12.64	13.05	13.21	-13.30	-13.50	-13.93	-14.43	-14.80	-14.83
143.5	-9.50	-8.40	-7.48	-6.94	-6.95	-7.70	-9.28	11.40	13.64	15.60	16.90	-17.25	16.85	-16.02	-15.10	-14.40	-14.17	-14.31	14.64	-15.00
144.0	-10.10	-8.71	-7.59	-7.00	-7.21	8.50	-10.96	-14.07	17.14	-19.48	20.40	19.46	17.20	-14.44	-11.97	-10.60	-10.88	-12.41	-14.55	-16.66
144.5	-3.90	-4.78	-5.89	-7.45	-9.68	-12.80	-16.88	-21.29	25.25	27.99	28.70	26.90	23.24	-18.68	-14.15	-10.60	-8.75	-8.37	-9.02	-10.25
145.0	-13.50	-16.47	19.18	-21.36	22.76	23.10	-22.24	-20.51	-18.35	16.20	14.50	-13.60	13.47	-13.99	-15.04	-16.50	-18.22	-19.98	-21.52	-22.61
145.5	-1.50	-2.87	-4.31	5.88	-7.66	-9.70	-12.03	-14.48	-16.80	-18.79	20.20	-20.88	20.91	-20.44	-19.62	-18.60	-17.51	-16.42	-15.40	-14.51
146.0	-6.00	-6.04	-6.13	-6.33	-6.71	-7.30	-8.16	-9.26	-10.57	12.06	-13.70	-15.41	-16.97	-18.13	-18.62	-18.20	-16.73	-14.59	-12.32	-10.41
146.5	-12.00	-13.55	-14.96	-16.11	-16.87	-17.10	-16.71	-15.77	14.39	-12.66	-10.70	-8.65	6.84	-5.62	-5.35	6.40	-8.94	-12.47	-16.28	-19.69
147.0	-13.60	-11.59	-9.74	-8.18	-7.09	-6.60	-6.81	7.53	8.53	9.57	-10.40	-10.83	10.89	-10.66	-10.20	-9.60	-8.94	-8.38	-8.08	-8.20
147.5	-16.30	-15.67	-15.09	-14.65	-14.40	-14.40	-14.67	-15.04	15.28	15.18	14.50	-13.16	-11.57	-10.28	-9.84	-10.80	-13.45	-17.10	-20.80	-23.62
148.0	-4.50	-5.71	-7.01	-8.48	-10.22	-12.30	-14.72	-17.11	-19.00	-19.92	-19.40	-17.20	13.99	-10.67	-8.14	-7.30	-8.73	-11.72	-15.26	-18.33
148.5	-4.60	-7.08	-9.33	-11.15	-12.31	-12.60	-11.90	-10.57	9.05	-7.81	7.30	-7.83	9.13	-10.76	-12.29	-13.30	-13.48	-12.97	-12.04	-10.96
149.0	-7.60	-11.99	-16.01	-19.30	-21.48	-22.20	-21.23	-18.96	15.94	12.71	9.80	7.65	6.22	-5.40	-5.04	-5.00	-5.18	-5.55	-6.11	-6.86
149.5	-2.90	-5.83	-8.64	-11.23	-13.49	-15.30	-16.57	-17.27	17.40	16.94	15.90	-14.33	12.58	-11.06	10.19	-10.40	-11.91	-14.22	-16.65	-18.50
150.0	2.00	-5.40	-8.59	-11.35	-13.50	-14.80	-15.12	-14.50	13.40	11.74	9.80	7.80	6.04	4.87	4.61	-5.60	-7.99	-11.19	-14.44	-16.97
150.5	-7.80	-8.56	-9.22	-9.68	-9.84	-9.60	-8.92	-8.03	7.19	6.68	6.80	7.74	9.44	11.76	14.56	-17.70	-20.98	-23.94	-26.06	-28.82
151.0	-9.30	-10.99	-12.54	-13.82	-14.68	-15.00	-14.68	-13.84	12.64	11.24	9.80	8.51	7.63	7.48	8.33	-10.50	-14.07	-18.32	-22.33	-25.16
151.5	5.50	-7.98	-10.30	-12.31	-13.86	-14.80	-15.04	-14.78	14.28	13.84	13.70	14.08	14.89	16.00	17.25	-18.50	-19.60	-20.41	-20.76	-20.51
152.0	11.60	-10.81	-10.08	-9.45	-8.97	8.70	8.68	8.94	9.80	10.38	11.60	13.14	14.81	16.35	-17.53	-18.10	-17.90	-17.13	16.05	-14.95
152.5	7.10	-7.23	-7.42	-7.71	8.15	8.80	9.69	10.80	12.08	13.50	15.00	-16.51	17.81	18.61	-18.67	-17.70	-15.61	12.93	10.37	8.63
153.0	10.20	-13.13	-15.79	-17.94	-19.29	-19.60	-18.75	-17.23	15.69	14.76	15.10	17.08	20.04	23.04	-25.17	-25.50	-23.42	19.67	15.30	11.35
153.5	6.80	9.30	-11.62	-13.60	-15.08	-15.80	-15.76	-15.19	14.11	13.77	13.60	14.13	15.16	16.37	-17.46	18.10	-18.07	17.48	16.51	15.35
154.0	9.50	-10.66	-11.81	-12.96	-14.09	-15.20	-16.29	-17.37	18.42	19.47	20.50	-21.50	22.34	22.87	-22.94	-22.40	-21.16	-19.40	17.36	15.28
154.5	6.50	-8.39	-10.16	-11.69	-12.88	-13.60	-13.78	-13.56	13.11	12.59	12.20	-12.06	12.16	12.44	12.84	-13.30	-13.77	-14.18	-14.47	-11.56
155.0	8.20	-9.06	-9.85	-10.53	-11.03	-11.30	-11.32	-11.30	11.49	-12.14	13.50	15.70	18.36	-20.07	-23.02	-24.00	-23.57	22.06	19.95	17.74
155.5	5.70	-8.48	-10.99	-12.97	-14.17	-14.30	-13.26	-11.52	9.72	-8.47	-8.40	-9.90	12.40	-15.11	-17.21	-17.90	-16.68	-14.22	-11.49	9.46
156.0	-6.20	-6.46	-6.82	-7.38	-8.24	-9.50	-11.20	-13.11	-14.95	-16.44	-17.30	-17.32	-16.62	-15.41	-13.90	-12.30	-10.81	-9.63	-8.99	9.07
156.5	-12.60	-10.65	-8.87	-7.42	-6.48	-6.20	-6.69	-7.76	9.14	-10.57	-11.80	-12.62	13.04	-13.14	-13.00	-12.70	-12.30	-11.89	-11.52	-11.26
157.0	-7.20	-9.13	-10.96	-12.60	-13.94	-14.90	-15.39	-15.43	-15.04	-14.26	-13.10	-11.64	10.09	-8.70	-7.72	-7.40	-7.90	-8.97	-10.28	-11.51
157.5	-6.50	-5.26	-4.14	-3.29	-2.83	-2.90	-3.55	-4.55	-5.59	-6.38	-6.60	-6.09	5.21	4.46	-4.36	-5.40	-7.87	-11.21	-14.65	-17.40
158.0	-9.90	-9.16	-8.60	-8.37	-8.65	-9.60	-11.29	-13.31	-15.18	-16.37	-16.40	-14.96	12.61	-10.11	-8.22	-7.70	-9.04	-11.65	-14.65	-17.19
158.5	-10.90	-11.80	-12.63	-13.30	-13.75	-13.90	-13.69	-13.17	-12.39	-11.41	-10.30	-9.13	-8.09	-7.37	-7.17	-7.70	-9.05	-10.86	-12.68	-14.05
159.0	-5.90	-9.75	-13.29	-16.22	-18.23	-19.00	-18.36	-16.64	-14.29	-11.76	9.50	-7.89	-6.97	-6.71	-7.06	-8.00	-9.43	-11.07	-12.57	-13.59
159.5	-7.10	-9.32	-11.41	-13.25	-14.72	-15.70	-16.10	-16.03	-15.62	-15.03	-14.40	-13.85	-13.42	-13.13	-12.98	-13.00	-13.17	-13.36	-13.40	13.14
160.0	-4.80	-7.06	-9.12	-10.75	-11.75	-11.90	-11.13	-9.91	-8.81	-8.45	-9.40	-12.02	-15.69	-19.52	-22.65	-24.20	-23.56	-21.15	-17.65	-13.74
160.5	-4.40	-6.13	-7.68	-8.84	-9.45	-9.30	-8.36	-7.15	-6.37	-6.69	-8.80	-13.06	-18.58	-24.18	-28.65	-30.80	-29.80	-26.27	-21.20	-15.58
161.0	-10.00	-13.49	-16.59	-18.92	-20.08	-19.70	-17.61	-14.55	-11.48	-9.38	-9.20	-11.56	-15.67	-20.36	-24.49	-26.90	-26.75	-24.46	-20.73	-16.31
161.5	-10.60	-12.43	-14.04	-15.23	-15.79	-15.50	-14.28	-12.54	-10.82	-9.66	-9.60	-10.97	-13.28	-15.87	-18.04	-19.10	-18.57	-16.72	-14.02	-10.92
162.0	-14.70	-14.24	-13.79	-13.37	-13.00	-12.70	-12.48	-12.37	-12.42	12.65	-13.10	-13.77	14.46	-14.95	-15.01	-14.40	-12.99	-10.98	8.66	6.34
162.5	-14.80	-11.74	-9.12	-7.38	-6.96	-8.30	-11.60	-16.11	-20.83	-24.76	-26.90	-26.55	-24.15	-20.45	-16.19	-12.10	-8.79	6.26	-4.41	3.10
163.0	-11.10	-8.32	-6.02	-4.68	-4.78	-6.80	-10.95	-16.37	-21.94	-26.52	-29.00	28.58	-25.79	-21.53	-16.68	-12.10	-8.50	5.88	-4.05	-2.82
163.5	-10.20	-8.26	-5.59	-5.46	-5.14	-5.90	-7.87	-10.60	-13.49	-15.96	-17.40	-17.39	-16.19	-14.21	-11.87	-9.60	-7.72	6.23	-5.01	4.97
164.0	-7.30	-7.44	-7.63	-7.91	-8.31	-8.90	-9.68	-10.54	-11.55	-11.99	12.30	-12.20	-11.75	-11.05	-10.20	9.30	-8.43	-7.54	6.59	5.49

ASPECT ANGLE	BISTATIC ANGLE																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
164.5	8.00	-13.54	-18.57	-22.61	-25.15	-25.70	-23.98	-20.59	-16.40	12.22	8.90	-7.07	-6.52	-6.82	-7.55	-8.30	-8.70	-8.68	-8.20	-7.25
165.0	-10.40	-12.49	-14.35	-15.74	-16.44	-16.20	-14.91	-12.86	-10.47	-8.15	6.30	-5.24	-4.90	-5.11	-5.70	-6.50	-7.34	-8.01	-8.29	-7.96
165.5	-5.40	-8.21	-10.78	-12.87	-14.22	-14.60	-13.87	-12.31	-10.32	8.28	-6.60	-5.57	-5.16	-5.23	-5.65	-6.30	-7.03	-7.61	-7.82	-7.39
166.0	-7.40	-8.49	-9.46	-10.20	-10.58	-10.50	-9.89	-8.91	-7.77	-6.70	-5.90	-5.54	-5.54	-5.77	-6.10	-6.40	-6.54	-6.40	-5.89	-4.89
166.5	-8.70	-16.5	-8.90	-8.83	-8.55	-8.00	-7.15	-6.16	-5.23	-4.54	-4.30	-4.63	-5.35	-6.20	-6.94	-7.30	-7.09	-6.31	-5.05	-3.35
167.0	-14.30	-12.95	-11.59	-10.19	-8.73	-7.20	-5.62	-4.17	-3.09	-2.59	-2.90	-4.13	-5.92	-7.77	-9.19	-9.70	-8.95	-7.14	-4.65	-1.82
167.5	-19.00	-16.87	-14.73	-12.58	-10.41	-8.20	-6.01	-4.09	-2.78	-2.37	-3.20	-5.39	-8.37	-11.36	-13.59	-14.30	-12.96	-9.99	-6.06	-1.83
168.0	-19.70	-16.32	-13.04	-9.96	-7.18	-4.80	-2.92	-1.71	-1.33	-1.93	-3.70	-6.63	-10.12	-13.39	-15.67	-16.20	-14.45	-10.93	-6.40	-1.60
168.5	-16.60	-13.08	-9.73	-6.71	-4.18	-2.30	-1.21	-0.91	-1.38	-2.59	-4.50	-7.01	-9.67	-11.96	-13.35	-13.30	-11.48	-8.29	-4.34	-2.1
169.0	-10.70	-8.59	-6.60	-4.84	-3.43	-2.50	-2.12	-2.27	-2.87	-3.87	-5.20	-6.75	-8.26	-9.41	-9.89	-9.40	-7.74	-5.19	-2.14	1.02
169.5	-5.80	-4.78	-3.87	-3.18	-2.82	-2.90	-3.48	-4.43	-5.59	-6.77	-7.80	-8.53	-8.88	-8.76	-8.13	-6.90	-5.06	-2.79	-3.1	2.17
170.0	-5.10	-4.17	-3.39	-2.90	-2.85	-3.40	-4.61	-6.25	-8.00	-9.55	-10.60	-10.90	-10.48	-9.47	-7.97	-6.10	-3.96	-1.69	-58	2.72
170.5	-5.00	-4.14	-3.47	-3.17	-3.42	-4.40	-6.20	-8.47	-10.76	-12.62	-13.60	-13.37	-12.12	-10.14	-7.73	-5.20	-2.80	-1.60	1.36	3.07
171.0	-5.20	-4.19	-3.45	-3.25	-3.84	-5.50	-8.33	-11.79	-15.16	-17.73	-18.80	-17.88	-15.35	-11.84	-7.95	-4.30	-1.38	-0.81	2.39	3.48
171.5	-2.80	-1.85	-1.28	-1.64	-2.82	-5.70	-10.25	-15.63	-20.75	-24.54	-25.50	-24.11	-19.88	-14.27	-8.36	-3.20	-0.37	2.47	3.47	3.73
172.0	-1.60	-1.15	-1.05	-1.64	-3.27	-6.30	-10.83	-16.06	-20.94	-24.43	-25.80	-23.45	-19.01	-13.27	-7.30	-2.20	1.20	3.04	3.70	3.56
172.5	-2.80	-3.34	-4.00	-4.90	-6.16	-7.90	-10.15	-12.53	-14.57	-15.82	-15.80	-14.22	-11.44	-8.04	-4.54	-1.50	-0.65	1.95	2.55	2.62
173.0	-6.40	-6.82	-7.27	-7.76	-8.33	-9.00	-9.76	-10.45	-10.88	-10.86	-10.20	-8.79	-6.85	-4.69	-2.60	-0.90	-0.39	-0.74	-0.88	75
173.5	-7.70	-8.73	-9.69	-10.50	-11.10	-11.40	-11.36	-10.98	-10.29	-9.32	-8.10	-6.67	-5.16	-3.71	-2.48	-1.60	-1.17	-1.10	-1.23	1.32
174.0	-5.20	-7.13	-8.89	-10.32	-11.24	-11.50	-10.99	-9.86	-8.36	-6.69	-5.10	-3.77	-2.78	-2.16	-1.96	-2.20	-2.89	-3.81	-4.72	5.37
174.5	-3.60	-5.67	-7.54	-9.02	-9.90	-10.00	-9.20	-7.74	-5.95	-4.16	-2.70	-1.82	-1.52	-1.68	-2.24	-3.10	-4.15	-5.23	-6.14	-6.69
175.0	-4.60	-5.53	-6.35	-6.94	-7.19	-7.00	-6.30	-5.25	-4.08	-2.99	-2.20	-1.88	-1.99	-2.44	-3.14	-4.00	-4.92	-5.82	-6.58	-7.10
175.5	-6.70	-5.90	-5.12	-4.36	-3.65	-3.00	-2.43	-1.99	-1.77	-1.81	-2.20	-2.95	-3.94	-4.97	-5.89	-6.50	-6.69	-6.54	-6.19	-5.76
176.0	-9.10	-6.81	-4.66	-2.78	-1.32	-0.40	-0.12	-0.39	-1.09	-2.07	-3.20	-4.36	-5.44	-6.32	-6.91	-7.10	-6.82	-6.18	-5.33	-4.42
176.5	-13.70	-9.64	-5.86	-2.63	-0.22	1.10	1.15	1.7	-1.49	-3.49	-5.50	-7.21	-8.53	-9.40	-9.78	-9.60	-8.85	-7.65	-6.16	4.52
177.0	-13.00	-8.68	-4.68	-1.32	1.08	2.20	1.84	-2.9	-2.07	-4.83	-7.60	-10.01	-11.90	-13.12	-13.53	-13.00	-11.48	-9.28	-6.79	-4.40
177.5	-10.20	-6.40	-2.92	-0.08	1.80	2.40	1.51	-0.61	-3.59	-7.08	-10.70	-14.09	-16.93	-18.91	-19.70	-19.00	-16.65	-13.17	-9.26	-5.61
178.0	-4.40	-1.42	1.13	2.79	3.12	1.70	-1.71	-6.44	-11.60	-16.32	-19.70	-21.10	-20.79	-19.26	-17.03	-14.60	-12.39	-10.51	-9.00	-7.88
178.5	-9.0	1.61	3.57	4.46	3.71	-80	4.52	-11.25	-18.12	-23.83	-27.10	-27.03	-24.33	-20.11	-15.46	-11.50	-9.08	-8.08	-8.11	-8.81
179.0	2.40	2.83	2.99	2.65	1.54	-60	-3.87	-7.76	-11.64	-14.83	-16.70	-16.79	-15.48	-13.36	-11.00	-9.00	-7.81	-7.43	-7.72	-8.55
179.5	-16.30	-15.32	-14.52	-14.10	-14.23	-15.10	-16.81	-19.07	-21.54	-23.84	-25.60	-26.55	-26.75	-26.32	-25.43	-24.20	-22.82	-21.63	-21.00	-21.34

ASPECT
ANGLE

BISTATIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-179.5	-12.60	-13.37	-13.84	-14.10	-14.23	-14.30	-14.38	14.47	14.57	-14.68	-14.80	-14.92	-15.03	-15.13	-15.22	-15.30	-15.36	-15.39	-15.39	-15.37
-179.0	-15.40	-15.51	-14.95	-14.02	-13.00	-12.20	-11.85	-11.90	12.26	-12.83	-13.50	-14.17	-14.74	-15.10	-15.15	-14.80	-13.93	-12.45	-10.25	-7.23
-178.5	-18.00	-17.47	-15.96	-13.98	-11.99	-10.50	-9.87	-10.02	-10.75	-11.88	-13.20	-14.52	-15.65	-16.38	-16.53	-15.90	-14.29	-11.51	-7.37	-1.66
-178.0	-20.80	-20.22	-18.49	-16.12	-13.59	-11.40	-9.95	-9.17	-8.90	-8.96	-9.20	-9.44	-9.50	-9.23	-8.45	-7.00	-4.70	-1.39	3.10	8.94
-177.5	-18.30	-18.21	-17.34	-15.95	-14.28	-12.60	-11.10	-9.79	-8.61	-7.53	-6.50	-5.47	-4.39	-3.21	-1.90	-0.40	1.33	3.35	5.68	8.40
-177.0	-14.90	-14.40	-13.94	-13.45	-12.86	-12.10	-11.12	-9.96	-8.65	-7.25	-5.80	-4.35	-2.95	-1.64	-0.48	.50	1.24	1.69	1.81	1.55
-176.5	-10.40	-9.24	-8.82	-8.87	-9.09	-9.20	-8.99	-8.46	-7.70	-6.79	-5.80	-4.81	-3.90	-3.14	-2.61	-2.40	-2.57	-3.21	-4.40	-6.20
-176.0	-10.00	-8.79	-8.19	-8.00	-8.00	-8.00	-7.82	-7.47	-6.98	-6.41	-5.80	-5.19	-4.62	-4.13	-3.78	-3.60	-3.64	-3.94	-4.54	-5.49
-175.5	-12.50	-11.15	-10.24	-9.63	-9.20	-8.80	-8.33	-7.79	-7.19	-6.56	-5.90	-5.24	-4.61	-4.01	-3.47	-3.00	-2.63	-2.37	-2.24	-2.27
-175.0	-12.60	-12.28	-12.37	-12.67	-12.98	-13.10	-12.86	-12.30	-11.50	-10.54	-9.50	-8.46	-7.50	-6.70	-6.14	-5.90	-6.06	-6.71	-7.91	-9.76
-174.5	-9.80	-9.78	-10.32	-11.12	-11.91	-12.40	-12.37	-11.86	-11.00	-9.91	-8.70	-7.49	-6.40	-5.54	-5.03	-5.00	-5.56	-6.82	-8.90	-11.93
-174.0	-8.40	-7.68	-7.41	-7.60	-8.23	-9.30	-10.80	-12.64	-14.75	-17.03	-19.40	-21.77	-24.05	-26.16	-28.00	-29.50	-30.56	-31.09	-31.01	-30.23
-173.5	-8.10	-6.86	-5.68	-4.89	-4.79	-5.70	-7.83	-11.03	-15.01	-19.52	-24.30	-29.08	-33.59	-37.57	-40.77	-42.90	-43.71	-42.94	-40.31	-35.58
-173.0	-10.80	-10.24	-9.15	-7.94	-6.99	-6.70	-7.37	-8.89	-11.04	-13.61	-16.40	-19.19	-21.76	-23.91	-25.43	-26.10	-25.71	-24.06	-20.92	-16.09
-172.5	-10.20	-8.93	-7.27	-5.75	-4.89	-5.20	-7.05	-10.26	-14.48	-19.37	-24.60	-29.83	-34.72	-38.94	-42.15	-44.00	-44.17	-42.31	-38.08	-31.16
-172.0	-12.90	-12.18	-11.06	-9.93	-9.15	-9.10	-10.07	-11.92	-14.44	-17.41	-20.60	-23.79	-26.76	-29.28	-31.13	-32.10	-31.95	-30.47	-27.44	-22.62
-171.5	-18.80	-17.71	-15.53	-12.79	-10.07	-7.90	-6.72	-6.43	-6.82	-7.65	-8.70	-9.75	-10.58	-10.97	-10.68	-9.50	-7.21	-3.57	1.63	8.61
-171.0	-16.10	-15.34	-13.33	-13.21	-12.13	-11.20	-10.54	-10.12	-9.88	-9.76	-9.70	-9.64	-9.52	-9.28	-8.86	-8.20	-7.24	-5.93	4.19	-1.98
-170.5	-15.80	-15.71	-16.15	-16.85	-17.53	-17.90	-17.76	-17.15	-16.19	-15.00	-13.70	-12.40	-11.21	-10.25	-9.64	-9.50	-9.94	-11.07	-13.02	-15.90
-170.0	-10.10	-9.24	-8.92	-9.05	-9.54	-10.30	-11.26	-12.36	-13.58	-14.87	-16.20	-17.53	-18.82	-20.04	-21.14	-22.10	-22.87	-23.42	-23.71	-23.70
-169.5	-15.50	-16.29	-16.89	-17.42	-17.99	-18.70	-19.65	-20.80	-22.12	-23.53	-25.00	-26.47	-27.88	-29.20	-30.35	-31.30	-31.99	-32.36	-32.37	-31.97
-169.0	-9.60	-13.70	-18.48	-23.08	-26.67	-28.40	-27.66	-24.76	-20.24	-14.64	-8.50	-2.36	3.24	7.76	10.66	11.40	9.44	4.24	4.75	-18.05
-168.5	-22.70	-23.58	-23.57	-22.85	-21.62	-20.10	-18.44	-16.70	-14.90	-13.06	-11.20	-9.34	-7.50	-5.70	-3.96	-2.30	-0.75	.68	1.97	3.09
-168.0	-15.00	-16.01	-16.94	-17.66	-18.03	-17.90	-17.18	-15.96	-14.35	-12.49	-10.50	-8.51	-6.65	-5.04	-3.82	-3.10	-3.02	-3.70	-5.26	-7.85
-167.5	-10.30	-10.24	-10.59	-11.20	-11.88	-12.50	-12.92	-13.15	-13.25	-13.25	-13.20	-13.15	-13.15	-13.25	-13.48	-13.90	-14.55	-15.48	-16.73	-18.36
-167.0	9.00	-7.39	-7.16	-7.87	-9.03	-10.20	-11.00	-11.42	-11.57	-11.53	-11.40	-11.27	-11.23	-11.38	-11.80	-12.60	-13.86	-15.67	-18.14	-21.34
-166.5	-6.70	-8.00	-9.98	-12.14	-13.98	-15.00	-14.84	-13.62	-11.62	-9.09	-6.30	-3.51	-.98	1.02	2.24	2.40	1.25	-1.47	-6.04	-12.70
-166.0	-19.60	-20.12	-20.13	-19.89	-19.66	-19.70	-20.21	-21.13	-22.38	-23.84	-25.40	-26.96	-28.42	-29.67	-30.59	-31.10	-31.08	-30.42	-29.03	-26.78
-165.5	-14.00	-13.05	-12.09	-11.34	-11.07	-11.50	-12.82	-14.89	-17.54	-20.58	-23.80	-27.02	-30.06	-32.71	-34.78	-36.10	-36.46	-35.68	-33.56	-29.91
-165.0	-8.80	-8.81	-10.07	-12.01	-14.08	-15.70	-16.45	-16.39	-15.73	-14.66	-13.40	-12.14	-11.07	-10.41	-10.35	-11.10	-12.85	-15.81	-20.17	-26.14
-164.5	-16.00	-15.75	-14.40	-12.57	-10.89	-10.00	-10.38	-11.89	-14.25	-17.18	-20.40	-23.62	-26.55	-28.91	-30.42	-30.80	-29.76	-27.01	-22.28	-15.28
-164.0	-11.50	-11.00	-10.60	-10.31	-10.14	-10.10	-10.20	-10.42	-10.73	-11.10	-11.50	-11.90	-12.27	-12.58	-12.80	-12.90	-12.86	-12.63	-12.21	-11.54
-163.5	-8.90	-8.31	-7.10	-5.71	-4.56	-4.10	-4.65	-6.10	-8.23	-10.80	-13.60	-16.40	-18.97	-21.10	-22.55	-23.10	-22.53	-20.61	-17.12	-11.83
-163.0	-11.00	-10.73	-10.42	-10.05	-9.62	-9.10	-8.49	-7.81	-7.07	-6.30	-5.50	-4.70	-3.93	-3.19	-2.51	-1.90	-1.39	-.99	-.72	-.61
-162.5	-20.80	-21.08	-19.93	-17.93	-15.67	-13.70	-12.49	-11.98	-11.99	-12.36	-12.90	-13.44	-13.81	-13.82	-13.31	-12.10	-10.01	-6.86	-2.49	3.29
-162.0	-9.70	-12.18	-15.00	-17.66	-19.66	-20.50	-19.80	-17.77	-14.74	-11.04	-7.00	-2.96	.74	3.77	5.80	6.50	5.53	2.55	-2.77	-10.76
-161.5	-9.70	-10.15	-10.36	-10.48	-10.67	-11.10	-11.87	-12.96	-14.28	-15.75	-17.30	-18.85	-20.32	-21.64	-22.73	-23.50	-23.89	-23.81	-23.19	-21.94
-161.0	-3.30	-4.56	-6.67	-9.13	-11.41	-13.00	-13.52	-13.08	-11.92	-10.28	-8.40	-6.52	-4.88	-3.72	-3.28	-3.80	-5.52	-8.68	-13.52	-20.27
-160.5	-5.20	-9.43	-14.53	-19.62	-23.87	-26.40	-26.60	-24.74	-21.35	-16.93	-12.00	-7.07	-2.65	.74	2.60	2.40	.36	-6.20	-15.63	-29.17
-160.0	-1.50	-2.38	-4.81	-7.98	-11.11	-13.40	-14.25	-13.80	-12.38	-10.30	-7.90	-5.50	-3.42	-2.00	-1.55	-2.40	-4.88	-9.31	-16.02	-25.33
-159.5	-6.30	-6.20	-6.36	-6.71	-7.21	-7.80	-8.45	-9.13	-9.84	-10.56	-11.30	-12.04	-12.76	-13.47	-14.15	-14.80	-15.40	-15.95	-16.43	-16.84
-159.0	-7.70	-7.79	-8.18	-8.74	-9.36	-9.90	-10.27	-10.49	-10.59	-10.62	-10.60	-10.58	-10.61	-10.71	-10.93	-11.30	-11.87	-12.67	-13.75	-15.14
-158.5	-8.70	-9.33	-9.78	-10.15	-10.56	-11.10	-11.86	-12.83	-13.93	-15.14	-16.40	-17.66	-18.86	-19.97	-20.94	-21.70	-22.22	-22.44	-22.32	21.80

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
-18.0	-7.30	-7.73	-8.42	-9.28	-10.20	-11.10	-11.89	-12.58	-13.20	-13.76	-14.30	-14.84	-15.40	-16.02	-16.71	-17.50	-18.42	-19.49	-20.73	-22.18
-17.5	-17.60	-19.41	-20.67	-21.32	-21.28	-20.50	-18.95	-16.75	-14.07	-11.07	-7.90	-4.73	-1.73	.95	3.15	4.70	5.44	5.22	3.86	1.21
-17.0	-21.20	-21.04	-18.83	-15.43	-11.67	-8.40	-6.28	-5.23	-4.97	-5.25	-5.80	-6.35	-6.63	-6.37	-5.32	-3.20	.25	5.31	12.23	21.28
-16.5	-9.00	-8.81	-8.52	-8.23	-8.02	-8.00	-8.23	-8.68	-9.29	-10.02	-10.80	-11.58	-12.31	-12.92	-13.37	-13.60	-13.55	-13.17	-12.41	-11.20
-16.0	-11.20	-12.02	-13.30	-14.84	-16.44	-17.90	-19.06	-19.94	-20.61	-21.14	-21.60	-22.06	-22.59	-23.26	-24.14	-25.30	-26.80	-28.72	-31.13	-34.09
-15.5	-10.50	-10.74	-11.79	-13.24	-14.68	-15.70	-15.99	-15.62	-14.76	-13.56	-12.20	-10.84	-9.64	-8.78	-8.41	-8.70	-9.82	-11.92	-15.19	-19.77
-15.0	-7.40	-8.08	-9.98	-12.55	-15.27	-17.60	-19.12	-19.89	-20.10	-19.94	-19.60	-19.26	-19.10	-19.31	-20.08	-21.60	-24.05	-27.61	-32.48	-38.83
-14.5	-17.50	-17.69	-17.38	-16.71	-15.84	-14.90	-14.01	-13.18	-12.39	-11.64	-10.90	-10.16	-9.41	-8.62	-7.79	-6.90	-5.93	-4.87	-3.71	-2.42
-14.0	-20.50	-19.06	-16.24	-12.87	-9.75	-7.70	-7.34	-8.48	-10.76	-13.79	-17.20	-20.61	-23.64	-25.92	-27.06	-26.70	-24.45	-19.94	-12.79	-2.63
-13.5	-10.30	-11.90	-15.24	-19.22	-22.80	-24.90	-24.72	-22.49	-18.74	-13.98	-8.70	-3.42	1.34	5.09	7.32	7.50	5.14	.28	-9.26	-22.32
-13.0	-13.70	-13.17	-11.93	-10.41	-8.99	-8.10	-8.03	-8.70	-9.93	-11.52	-13.30	-15.08	-16.67	-17.90	-18.57	-18.50	-17.51	-15.40	-12.01	-7.13
-12.5	-10.90	-12.28	-13.70	-14.94	-15.81	-16.10	-15.66	-14.60	-13.06	-11.21	-9.20	-7.19	-5.34	-3.80	-2.74	-2.30	-2.65	-3.94	-6.33	-9.97
-12.0	-12.90	-13.93	-14.96	-15.88	-16.54	-16.80	-16.57	-15.93	-14.96	-13.78	-12.50	-11.22	-10.04	-9.07	-8.43	-8.20	-8.50	-9.44	-11.12	-13.65
-11.5	-7.50	-6.88	-6.39	-6.18	-6.37	-7.10	-8.47	-10.37	-12.69	-15.28	-18.00	-20.72	-23.31	-25.67	-27.53	-28.90	-29.59	-29.46	-28.39	-26.22
-11.0	-14.70	-14.96	-14.93	-14.67	-14.24	-13.70	-13.16	-12.46	-11.79	-11.10	-10.40	-9.70	-9.01	-8.34	-7.70	-7.10	-6.55	-6.06	-5.64	-5.30
-10.5	-16.60	-16.65	-15.20	-12.92	-10.49	-8.60	-7.77	-7.90	-8.76	-10.11	-11.70	-13.29	-14.64	-15.50	-15.63	-14.80	-12.75	-9.25	-4.06	3.08
-10.0	-12.00	-11.67	-10.98	-10.18	-9.53	-9.30	-9.67	-10.58	-11.90	-13.48	-15.20	-16.92	-18.50	-19.82	-20.73	-21.10	-20.80	-19.69	-17.65	14.52
-9.5	-12.20	-11.78	-10.76	-9.51	-8.37	-7.70	-7.76	-8.47	-9.68	-11.21	-12.90	-14.59	-16.12	-17.33	-18.04	-18.10	-17.34	-15.60	-12.72	8.53
-9.0	-12.40	-13.76	-14.41	-14.54	-14.34	-14.00	-13.69	-13.42	-13.20	-12.99	-12.80	-12.61	-12.40	-12.18	-11.91	-11.60	-11.23	-10.79	-10.26	9.64
-8.5	-12.10	-13.64	-16.02	-18.70	-21.14	-22.80	-23.27	-22.68	-21.29	-19.38	-17.20	-15.02	-13.11	-11.72	-11.15	-11.60	-13.39	-16.77	-22.00	29.35
-8.0	-9.70	-10.47	-11.67	-13.07	-14.48	-15.70	-16.56	-17.10	-17.40	-17.54	-17.60	-17.66	-17.80	-18.10	-18.64	-19.50	-20.76	-22.51	-24.82	27.77
-7.5	-12.20	-12.28	-11.97	-11.39	-10.63	-9.80	-8.98	-8.19	-7.42	-6.65	-5.90	-5.15	-4.38	-3.61	-2.82	-2.00	-1.15	-.26	.67	1.65
-7.0	-14.15	-14.15	-16.34	-18.55	-20.41	-21.50	-21.54	-20.67	-19.10	-17.06	-14.80	-12.54	-10.50	-8.93	-8.06	-8.10	-9.30	-11.88	-16.08	22.13
-6.5	-4.40	-3.57	-3.80	-4.77	-6.15	-7.60	-8.86	-9.92	-10.83	-11.64	-12.40	-13.16	-13.97	-14.88	-15.94	-17.20	-18.71	-20.53	-22.70	25.28
-6.0	-8.70	-8.87	-9.14	-9.54	-10.12	-10.90	-11.91	-13.11	-14.46	-15.91	-17.40	-18.89	-20.34	-21.69	-22.89	-23.90	-24.67	-25.15	-25.29	25.04
-5.5	-14.10	-15.95	-18.49	-21.21	-23.55	-25.00	-25.16	-24.17	-22.32	-19.90	-17.20	-14.50	-12.08	-10.23	-9.24	-9.40	-10.99	-14.29	-19.59	27.18
-5.0	-12.58	-12.58	-14.02	-15.18	-15.92	-16.10	-15.63	-14.61	-13.17	-11.46	-9.60	-7.74	-6.03	-4.59	-3.57	-3.10	-3.33	-4.39	-6.42	-9.56
-4.5	-13.50	-15.02	-15.90	-16.25	-16.19	-15.80	-15.19	-14.42	-13.52	-12.53	-11.50	-10.47	-9.48	-8.58	-7.81	-7.20	-6.80	-6.66	-6.81	-7.30
-4.0	-6.40	-8.40	-11.57	-15.08	-18.13	-19.90	-19.79	-18.00	-14.97	-11.09	-6.80	-2.51	1.37	4.40	6.19	6.30	4.32	-.16	-7.57	-18.33
-3.5	-9.10	-10.98	-13.99	-17.32	-20.19	-21.80	-21.56	-19.68	-16.57	-12.64	-8.30	-3.96	-.03	3.08	4.96	5.20	3.39	-.89	-8.03	-18.46
-3.0	-11.50	-10.84	-10.11	-9.47	-9.05	-9.00	-9.42	-10.26	-11.40	-12.75	-14.20	-15.65	-17.00	-18.14	-18.98	-19.40	-19.31	-18.61	-17.18	-14.94
-2.5	-4.40	-5.38	-7.08	-9.14	-11.17	-12.80	-13.75	-14.08	-13.94	-13.50	-12.90	-12.30	-11.86	-11.72	-12.05	-13.00	-14.72	-17.37	-21.10	-26.07
-2.0	-7.00	-8.29	-9.26	-9.92	-10.29	-10.40	-10.27	-9.95	-9.48	-8.91	-8.30	-7.69	-7.12	-6.65	-6.33	-6.20	-6.31	-6.72	-7.46	-8.60
-1.5	-7.50	-8.35	-9.18	-9.99	-10.79	-11.60	-12.42	-13.26	-14.10	-14.95	-15.80	-16.65	-17.50	-18.34	-19.18	-20.00	-20.81	-21.59	-22.36	23.10
-1.0	-13.60	-14.81	-15.37	-15.40	-15.00	-14.30	-13.39	-12.33	-11.15	-9.89	-8.60	-7.31	-6.05	-4.87	-3.81	-2.90	-2.19	-1.70	-1.49	-1.59
-0.5	-9.40	-9.61	-9.69	-9.72	-9.79	-10.00	-10.41	-11.00	-11.73	-12.54	-13.40	-14.26	-15.07	-15.80	-16.39	-16.80	-16.99	-16.90	-16.51	-15.75
0.0	-9.20	-10.10	-11.24	-12.41	-13.43	-14.10	-14.27	-14.01	-13.42	-12.62	-11.70	-10.78	-9.98	-9.39	-9.13	-9.30	-10.02	-11.39	-13.53	16.54
0.5	-4.60	-5.52	-7.16	-9.19	-11.28	-13.10	-14.41	-15.24	-15.73	-15.97	-16.10	-16.23	-16.47	-16.96	-17.79	-19.10	-21.00	-23.60	-27.04	-31.41
1.0	-13.70	-13.07	-11.98	-10.68	-9.40	-8.40	-7.87	-7.76	-7.96	-8.38	-8.90	-9.42	-9.84	-10.04	-9.93	-9.40	-8.34	-6.65	-4.23	-.96
1.5	-14.40	-13.96	-13.57	-13.30	-13.19	-13.30	-13.67	-14.26	-15.01	-15.88	-16.80	-17.72	-18.59	-19.34	-19.93	-20.30	-20.39	-20.16	-19.53	-18.47
2.0	-13.60	-13.60	-13.35	-13.01	-12.72	-12.60	-12.77	-13.20	-13.83	-14.58	-15.40	-16.22	-16.97	-17.60	-18.03	-18.20	-18.05	-17.51	-16.53	15.02

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
136.5	-14.10		-10.78	-8.60	6.53	-4.90	-3.98	3.68	3.86	-4.35	-5.00	-5.65	6.14	-6.32	-6.02	-5.10	-3.39	-7.73	3.02	8.04
136.0	-22.30	44	-19.30	-16.44	13.39	-10.70	-8.79	-7.61	6.97	6.70	-6.60	-6.50	-6.23	-5.59	-4.41	-2.50	.31	4.21	9.37	15.98
135.5	-12.00	43	-9.96	8.02	6.09	-4.60	-3.91	3.95	4.53	5.48	6.60	-7.72	8.67	-9.25	-9.29	-8.60	-7.01	-4.33	-3.38	5.01
135.0	-15.60	-0.07	-15.76	-14.93	-13.85	-12.80	-11.99	-11.41	11.01	-10.72	-10.50	-10.28	-9.99	-9.59	-9.01	-8.20	-7.09	-5.63	-3.76	-1.42
134.5	-12.70	-13.18	-13.14	-12.68	-11.90	-10.90	-9.75	-8.51	7.18	-5.80	-4.40	-3.00	-1.62	-2.29	.95	2.10	3.12	3.98	4.66	5.13
134.0	-14.80	-13.25	-11.32	-9.34	-7.66	-6.60	-6.42	-7.01	-8.19	-9.75	-11.50	-13.25	-14.81	-15.99	-16.58	-16.40	-15.25	-12.95	-9.29	-4.09
133.5	-7.30	-8.58	-14.09	-12.39	-14.09	-15.10	-15.11	-14.23	-12.69	-10.70	-8.50	-6.30	-4.31	-2.77	-1.89	-1.90	-3.01	-5.45	-9.44	-15.20
133.0	-3.30	-2.55	-1.80	-1.23	-1.03	-1.40	-2.47	-4.15	-6.28	-8.71	-11.30	-13.89	-16.32	-18.45	-20.13	-21.20	-21.51	-20.91	-19.26	-16.38
132.5	-10.30	-8.95	-6.72	-4.23	-2.05	-8.0	-9.2	-2.25	-4.49	-7.34	-10.50	-13.66	-16.51	-18.75	-20.08	-20.20	-18.80	-15.57	-10.22	-2.44
132.0	-10.00	-9.45	-8.97	-8.63	-8.51	-8.70	-9.24	-10.09	-11.17	-12.39	-13.70	-15.01	-16.23	-17.31	-18.16	-18.70	-18.86	-18.56	-17.73	-16.29
131.5	-16.30	-16.12	-15.03	-13.49	-11.93	-10.80	-10.44	-10.77	-11.62	-12.82	-14.20	-15.58	-16.78	-17.63	-17.96	-17.60	-16.37	-14.09	-10.59	-5.71
131.0	-8.60	-7.38	-6.49	-5.95	-5.78	-6.00	-6.61	-7.55	-8.73	-10.07	-11.50	-12.93	-14.27	-15.45	-16.39	-17.00	-17.20	-16.91	-16.06	-14.54
130.5	-3.00	-3.14	-3.52	-4.05	-4.61	-5.11	-5.43	-5.63	-5.71	-5.72	-5.70	-5.68	-5.69	-5.77	-5.97	-6.30	-6.81	-7.54	-8.52	-9.78
130.0	-3.10	-3.18	-3.91	-5.11	-6.63	-8.30	-9.99	-11.67	-13.35	-15.03	-16.70	-18.37	-20.05	-21.73	-23.41	-25.10	-26.80	-28.51	-30.23	-31.97
129.5	-3.30	-4.65	-6.46	-8.40	-10.09	-11.20	-11.45	-10.95	-9.88	-8.44	-6.80	-5.16	-3.72	-2.65	-2.15	-2.40	-3.60	-5.93	-9.58	-14.74
129.0	-11.80	-12.03	-12.32	-12.61	-12.85	-13.00	-13.02	-12.91	-12.72	-12.48	-12.20	-11.92	-11.68	-11.49	-11.38	-11.40	-11.56	-11.90	-12.44	-13.21
128.5	-8.50	-11.06	-13.81	-16.33	-18.17	-18.90	-18.22	-16.32	-13.49	-10.05	-6.30	-2.55	.89	3.72	5.62	6.30	5.44	2.74	-2.11	9.41
128.0	-2.00	-1.49	-1.78	-2.67	-3.94	-5.40	-6.87	-8.32	-9.75	-11.18	-12.60	-14.02	-15.45	-16.88	-18.33	-19.80	-21.29	-22.81	-24.36	25.95
127.5	-8.80	-7.52	-6.89	-6.80	-7.14	-7.80	-8.67	-9.71	-10.87	-12.12	-13.40	-14.68	-15.93	-17.09	-18.13	-19.00	-19.67	-20.09	-20.23	20.04
127.0	-13.20	-12.46	-11.16	-9.60	-8.08	-6.90	-6.30	-6.22	-6.53	-7.10	-7.80	-8.50	-9.07	-9.38	-9.30	-8.70	-7.45	-5.43	-2.49	1.48
126.5	-5.80	-6.79	-8.74	-11.08	-13.22	-14.60	-14.77	-13.87	-12.16	-9.92	-7.40	-4.88	-2.64	-9.3	-10.3	-11.70	-12.94	-14.96	-17.02	17.03
126.0	-7.00	-6.13	-5.40	-4.83	-4.45	-4.30	-4.39	-4.69	-5.14	-5.69	-6.30	-6.91	-7.46	-7.91	-8.21	-8.30	-8.13	-7.66	-6.83	-5.58
125.5	-5.30	-4.66	-4.73	-5.29	-6.15	-7.10	-7.99	-8.79	-9.53	-10.22	-10.90	-11.58	-12.27	-13.01	-13.81	-14.70	-15.69	-16.81	-18.07	19.51
125.0	-7.70	-8.11	-8.88	-9.84	-10.87	-11.80	-12.53	-13.06	-13.45	-13.75	-14.00	-14.25	-14.55	-14.94	-15.47	-16.20	-17.16	-18.42	-20.00	21.97
124.5	-7.50	-7.04	-7.39	-8.28	-9.44	-10.60	-11.53	-12.24	-12.79	-13.22	-13.60	-13.98	-14.41	-14.96	-15.67	-16.60	-17.81	-19.35	-21.28	23.66
124.0	-3.90	-2.54	-2.02	-2.25	-3.11	-4.50	-6.31	-8.47	-10.87	-13.44	-16.10	-18.76	-21.33	-23.73	-25.89	-27.70	-29.09	-29.98	-30.28	29.91
123.5	-6.50	-7.38	-8.85	-10.51	-11.96	-12.80	-12.74	-11.88	-10.42	-8.56	-6.50	-4.44	-2.58	-1.12	-2.6	-2.0	-1.14	-3.29	-6.84	-11.99
123.0	-15.10	-13.91	-11.91	-9.61	-7.53	-6.20	-6.00	-6.82	-8.39	-10.47	-12.80	-15.13	-17.21	-18.78	-19.60	-19.40	-17.94	-14.96	-10.21	-3.43
122.5	-25.80	-23.68	-19.44	-14.16	-8.95	-4.90	-2.86	-2.64	-3.77	-5.81	-8.30	-10.79	-12.83	-13.96	-13.74	-11.70	-7.40	-3.7	9.82	23.64
122.0	-9.20	-10.30	-11.51	-12.58	-13.26	-13.30	-12.54	-11.07	-9.07	-6.72	-4.20	-1.68	.67	2.67	4.14	4.90	4.79	3.61	1.21	-2.60
121.5	-12.20	-12.11	-11.52	-10.60	-9.56	-8.60	-7.86	-7.33	-6.97	-6.71	-6.50	-6.29	-6.03	-5.67	-5.14	-4.40	-3.39	-2.07	-3.7	1.76
121.0	-9.80	-10.29	-10.78	-11.16	-11.34	-11.20	-10.68	-9.82	-8.72	-7.45	-6.10	-4.75	-3.48	-2.38	-1.52	-1.00	-.89	-1.28	-2.25	-3.89
120.5	-6.50	-7.40	-8.66	-10.08	-11.44	-12.50	-13.11	-13.31	-13.21	-12.91	-12.50	-12.09	-11.79	-11.69	-11.89	-12.50	-13.62	-15.34	-17.78	21.03
120.0	-9.00	-8.71	-8.32	-7.95	-7.68	-7.60	-7.79	-8.21	-8.81	-9.53	-10.30	-11.07	-11.79	-12.39	-12.81	-13.00	-12.90	-12.45	-11.59	-10.26
119.5	-16.10	-14.80	-12.05	-8.71	-5.64	-3.70	-3.55	-4.99	-7.63	-11.06	-14.90	-18.74	-22.17	-24.81	-26.25	-26.10	-23.95	-19.41	-12.08	-1.55
119.0	-9.00	-7.56	-5.30	-2.76	-.45	1.10	1.50	.87	-.53	-2.43	-4.60	-6.77	-8.67	-10.07	-10.70	-10.30	-8.62	-5.40	-.39	6.68
118.5	-8.90	-8.57	-8.29	-8.13	-8.14	-8.40	-8.95	-9.74	-10.73	-11.83	-13.00	-14.17	-15.27	-16.26	-17.05	-17.60	-17.84	-17.70	-17.13	-16.06
118.0	-9.10	-8.28	-7.60	-7.09	-6.76	-6.60	-6.63	-6.81	7.11	-7.49	-7.90	-8.31	-8.69	-8.99	-9.17	-9.20	-9.04	-8.64	-7.98	7.00
117.5	-11.70	-10.18	-8.73	-7.40	-6.27	-5.40	-4.84	-4.55	-4.46	-4.49	-4.60	-4.71	-4.74	-4.65	-4.36	-3.80	-2.91	-1.62	.13	2.42
117.0	-3.70	-5.05	-7.13	-9.43	-11.46	-12.70	-12.77	-11.81	-10.07	-7.82	-5.30	-2.78	-.53	1.21	2.17	2.10	.73	-2.19	-6.92	13.72
116.5	-1.90	-2.83	-4.32	-5.99	-7.45	-8.30	-8.25	-7.41	-5.97	-4.14	-2.10	-.06	1.77	3.21	4.05	4.10	3.15	1.01	-2.53	7.66
116.0	-9.60	-9.46	-8.74	-7.77	-6.91	-6.50	-6.80	-7.74	-9.16	-10.90	-12.80	-14.70	-16.44	-17.86	-18.80	-19.10	-18.61	-17.16	-14.59	-10.75
115.5	-3.70	-3.32	-3.07	-2.96	-3.00	-3.20	-3.56	-4.05	-4.65	-5.31	-6.00	-6.69	-7.35	-7.95	-8.44	-8.80	-8.99	8.99	8.74	8.24

ASPECT

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
115.0	-9.90	-9.27	-8.32	-6.15	-5.30	-4.81	-4.65	-4.73	-4.98	-5.30	-5.62	-5.87	-5.95	-5.79	-5.30	-4.41	-3.03	-1.09	1.50
114.5	-7.00	-7.22	-7.03	-6.58	-6.02	-5.15	-4.95	-4.87	-4.86	-4.90	-4.94	-4.93	-4.85	-4.65	-4.30	-3.75	-2.97	-1.92	-5.5
114.0	-6.70	-6.98	-7.19	-7.34	-7.41	-7.40	-7.31	-6.92	-6.67	-6.40	-6.13	-5.88	-5.66	-5.49	-5.40	-5.40	-5.50	-5.72	6.09
113.5	-6.00	-6.73	-8.02	-9.50	-10.79	-11.50	-11.35	-10.43	-8.94	-7.07	-5.00	-2.93	-1.06	-1.35	1.50	.69	-1.26	-4.56	-9.39
113.0	-3.30	-1.69	-2.86	-3.15	-2.48	-.80	-1.92	-5.51	-9.74	-14.41	-19.30	-24.19	-28.86	-33.09	-39.40	-41.04	-41.37	-40.19	-37.28
112.5	-5.60	-4.53	-4.46	-5.04	-5.90	-6.70	-7.16	-7.28	-7.16	-6.87	-6.50	-6.13	-5.84	-5.72	-6.30	-7.17	-8.54	-10.50	-13.11
112.0	-1.00	-1.39	-2.13	-2.99	-3.72	-4.10	-3.95	-3.32	-2.35	-1.13	.20	1.53	2.75	4.35	4.50	4.06	2.91	.94	-1.98
111.5	-5.00	-2.97	2.08	-1.99	2.38	2.90	-3.28	-3.50	-3.60	-3.62	-3.60	-3.58	-3.60	-3.70	-4.30	-4.88	-5.71	-6.82	-8.25
111.0	-12.70	-12.51	-11.79	-10.64	-9.14	-7.40	-5.50	-3.48	-1.37	.80	3.00	5.20	7.37	9.48	11.50	13.40	15.15	16.72	18.08
110.5	1.00	.76	-7.1	-2.90	-5.30	-7.40	-8.80	-9.54	-9.80	-9.73	-9.50	-9.27	-9.20	-9.46	-10.20	-11.60	-13.81	-17.00	-26.96
110.0	-4.70	-5.35	-6.16	-6.90	-7.35	-7.30	-6.58	-5.27	-3.52	-1.48	.70	2.88	4.92	7.98	8.70	8.69	7.81	5.90	2.82
109.5	-10.80	-9.62	-7.10	-4.07	-1.36	.20	.02	-1.83	-4.82	-8.61	-12.80	-16.99	-20.78	-23.77	-25.58	-25.80	-24.04	-19.90	-12.98
109.0	-3.80	-4.18	-4.03	-3.57	-2.99	-2.50	-2.25	-2.24	-2.40	-2.67	-3.00	-3.33	-3.60	-3.76	-3.75	-3.50	-2.96	-2.08	-.79
108.5	-6.60	-4.49	-2.08	-.12	1.64	2.00	.84	-1.64	-5.11	-9.24	-13.70	-18.16	-22.29	-25.76	-28.24	-29.40	-28.91	-26.43	-14.22
108.0	-14.30	-13.24	-11.21	-8.59	-5.76	-3.10	-.90	.85	2.28	3.50	4.60	5.70	6.92	8.35	10.10	12.30	15.04	18.44	27.64
107.5	-9.20	-8.13	-6.30	-4.13	-2.06	-.50	.23	.20	.39	1.35	2.50	3.65	4.61	5.20	5.23	4.50	2.84	-.05	9.65
107.0	-.40	-.73	1.07	1.23	1.07	.40	.89	2.72	4.96	7.46	10.10	12.74	15.24	17.48	19.31	20.60	21.22	21.03	17.69
106.5	-3.60	-3.83	-4.68	-5.64	-6.15	-5.70	-3.88	-.86	3.06	7.58	12.40	17.22	21.74	25.66	28.68	30.50	30.81	29.33	19.74
106.0	-4.90	-3.39	-.21	3.66	7.19	9.40	9.52	7.77	4.63	1.55	4.00	8.55	12.63	15.77	17.52	17.40	14.95	9.70	11.06
105.5	-.60	.86	2.47	4.07	5.80	6.60	7.24	7.45	7.42	7.16	6.80	6.41	6.18	6.12	6.36	7.00	8.14	9.88	12.32
105.0	-.20	2.07	-4.57	7.00	8.64	8.80	6.95	3.35	1.57	7.36	13.60	19.83	25.63	30.55	34.15	36.00	35.65	32.67	17.06
104.5	4.50	-1.33	2.32	5.96	9.12	11.30	12.16	11.86	10.69	8.94	6.90	4.86	3.11	1.94	1.64	2.50	4.81	8.87	14.95
104.0	4.30	-2.30	5.1	3.66	6.65	9.10	10.55	11.15	11.09	10.60	9.90	9.20	8.71	8.65	9.25	10.70	13.23	17.06	22.39
103.5	5.00	-2.97	2.9	2.55	5.05	6.70	7.13	6.49	5.04	3.06	.80	1.46	3.44	4.89	5.53	5.10	3.32	.07	12.78
103.0	1.40	3.39	5.78	8.17	10.15	11.30	11.32	10.36	8.65	6.45	4.00	1.55	-.65	-2.36	-3.32	-3.30	2.04	.70	5.18
102.5	-2.20	-.30	2.35	5.26	7.92	9.80	10.53	10.25	9.19	7.62	5.80	3.98	2.41	1.35	1.07	1.80	3.81	7.36	12.69
102.0	10.40	11.60	12.32	12.53	12.20	11.30	9.82	7.86	5.54	2.98	.30	-2.38	4.94	-7.26	-9.22	-10.70	-11.58	-11.73	11.04
101.5	6.80	7.07	6.54	5.50	4.22	3.00	2.06	1.38	.91	.57	.30	.03	-.31	-.78	-1.46	-2.40	3.68	-5.37	-7.52
101.0	9.70	10.94	11.02	10.29	9.13	7.90	6.89	6.11	5.51	5.03	4.60	4.17	3.69	3.09	2.31	1.30	.00	-1.66	-3.72
100.5	11.40	12.45	11.87	10.13	7.72	5.10	2.66	.43	1.63	3.59	-5.50	-7.41	-9.37	-11.43	-13.66	-16.10	-18.81	-21.84	-25.24
100.0	11.30	9.86	6.73	2.88	-.73	-3.10	-3.51	-2.15	.53	4.10	8.10	12.10	15.67	18.35	19.70	19.30	16.69	11.44	3.10
99.5	5.20	4.12	2.36	.31	-1.61	-3.00	-3.56	-3.37	-2.62	-1.51	-.20	1.11	2.22	2.97	3.16	2.60	1.11	-1.50	-5.41
99.0	2.80	2.24	1.76	1.32	-.85	-.30	-.36	-1.13	-1.98	-2.88	-3.80	-4.72	-5.62	-6.47	-7.24	-7.90	-8.43	-8.81	-9.00
98.5	4.70	4.17	2.24	-.35	-2.87	-4.60	-4.97	-4.12	-2.36	.02	2.70	5.38	7.76	9.52	10.37	10.00	8.10	4.37	-1.50
98.0	5.30	4.34	4.21	4.55	5.00	5.20	4.86	4.03	2.82	1.37	-.20	-1.77	-3.22	-4.43	-5.26	-5.60	-5.32	-4.30	-2.42
97.5	-2.50	-2.03	.60	4.22	7.67	9.80	9.72	7.65	4.10	-.45	-5.50	-10.55	-15.10	-18.65	-20.72	-20.80	-18.39	-13.01	-4.14
97.0	-2.10	-3.56	-4.96	-6.27	-7.43	-8.40	-9.16	-9.73	-10.16	-10.50	-10.80	-11.10	-11.44	-11.87	-12.44	-13.20	-14.19	-15.45	-17.04
96.5	3.00	1.04	-1.29	-3.73	-6.02	-7.90	-9.19	-9.95	-10.32	-10.43	-10.40	-10.37	-10.48	-10.85	-11.61	-12.90	-14.85	-17.59	21.25
96.0	-8.50	-7.35	-4.81	-1.65	1.34	3.40	3.94	3.13	1.28	-1.24	-4.10	-6.96	-9.48	-11.33	-12.14	-11.60	-9.35	-5.06	1.61
95.5	2.80	3.68	3.23	1.96	-.38	-1.00	-1.77	-1.98	-1.76	-1.25	-.60	.05	.56	.78	.57	-.20	-1.69	-4.03	-7.37
95.0	6.80	6.66	4.94	2.30	-.63	-3.20	-4.92	-5.84	-6.16	-6.08	-5.80	-5.52	-5.44	-5.76	-6.68	-8.40	-11.11	-15.02	-20.33
94.5	-.30	-2.62	-5.47	-8.32	-10.60	-11.80	-11.50	-9.90	-7.31	-4.07	-.50	3.07	6.31	8.90	10.50	10.80	9.46	6.16	-.56
94.0	3.50	2.55	-.30	-2.55	-5.35	-7.40	-8.20	-7.86	-6.68	-4.93	-2.90	-.87	.88	2.06	2.40	1.60	-.61	-4.53	-10.42

ASPECT
ANGLE

BISTATIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
91.5	3.10	4.15	5.73	7.41	8.77	9.40	8.98	7.65	5.61	3.12	.40	2.32	4.81	6.85	8.18	8.60	7.86	5.74	2.01	3.57
93.0	-4.90	4.40	3.59	2.69	1.89	-1.40	1.38	1.77	3.37	3.39	4.10	5.41	6.33	7.03	7.42	7.40	-6.86	-5.70	-3.81	-1.10
92.5	13.50	11.22	8.51	5.77	3.43	1.90	-1.48	2.03	3.31	5.08	7.10	9.12	10.89	12.17	-12.72	-12.30	-10.66	-7.55	-2.73	4.03
92.0	13.30	-11.09	7.48	3.26	.80	3.90	5.46	5.63	4.77	3.21	1.30	-6.1	-2.17	-3.03	-2.86	-1.30	1.99	7.36	15.16	25.72
91.5	8.00	-5.81	-3.09	-3.2	2.04	3.50	3.72	2.85	1.15	-1.09	-3.60	6.11	-8.35	-10.05	-10.92	10.70	-9.11	-5.88	-.74	6.59
91.0	3.30	3.15	1.55	-.97	3.87	-6.60	8.74	10.32	11.48	12.36	-13.10	13.84	-14.72	-15.88	-17.46	-19.60	-22.45	-26.14	-30.81	36.61
90.5	-4.20	-4.67	-4.94	-5.13	5.38	5.80	6.49	7.43	8.55	9.80	-11.10	-12.40	-13.65	-14.77	-15.70	-16.40	-16.79	-16.82	-16.42	-15.53
90.0	3.00	2.73	1.60	.01	1.62	2.90	-3.50	3.49	3.01	2.23	-1.30	.37	.41	.89	.90	.30	-1.07	-3.36	-6.72	11.31
89.5	1.30	-.76	3.46	6.35	8.98	10.90	11.76	11.69	10.92	-9.67	-8.20	-6.73	-5.48	-4.71	-4.64	-5.50	-7.53	-10.96	-16.03	22.96
89.0	-5.10	-6.38	-7.92	9.51	10.98	-12.10	12.74	12.96	12.85	12.53	12.10	-11.67	-11.35	-11.24	-11.46	-12.10	-13.28	-15.09	-17.66	-21.08
88.5	-4.90	-6.55	-8.82	11.31	-13.64	-15.40	-16.30	-16.42	15.97	15.13	-14.10	13.07	-12.23	-11.78	-11.90	-12.80	-14.66	-17.67	-22.03	-27.93
88.0	-5.20	-4.18	-3.08	2.03	1.19	-.70	-.65	1.00	1.64	2.47	3.40	4.33	-5.16	-5.80	-6.15	6.10	-5.57	-4.45	-2.64	-.06
87.5	-2.00	-2.12	-3.34	5.12	6.92	-8.20	8.54	8.02	6.87	5.29	3.50	-1.71	-.13	1.02	1.54	1.20	-2.20	-2.88	-7.05	12.93
87.0	-15.80	-16.11	-15.60	14.48	12.95	11.20	9.41	7.61	5.81	4.01	2.20	.39	1.41	3.21	5.01	6.80	8.58	10.35	12.10	13.84
86.5	-16.80	-17.22	17.00	16.30	15.29	14.10	12.88	11.64	10.40	9.15	-7.90	6.65	-5.40	-4.16	-2.92	-1.70	-.49	.71	1.88	3.04
86.0	12.60	12.74	12.50	11.98	11.28	-10.50	9.72	8.95	8.20	-7.45	6.70	5.95	-5.20	-4.45	-3.68	-2.90	-2.10	-1.28	-4.43	10.44
85.5	4.10	2.84	-2.00	1.57	1.52	1.80	2.39	3.22	4.25	5.39	6.60	7.81	8.95	-9.98	-10.81	-11.40	-11.68	-11.58	-11.06	10.03
85.0	9.90	-9.20	-8.10	6.78	5.42	4.20	3.26	2.57	2.07	1.71	1.40	1.09	-.73	-.23	-.46	1.40	2.66	4.30	6.39	8.98
84.5	11.00	-9.47	-7.96	6.52	5.19	4.00	2.98	2.11	1.34	.65	.00	.65	1.34	2.11	2.98	4.00	5.20	6.62	8.30	10.27
84.0	10.30	-12.11	13.76	15.09	15.96	16.20	15.72	14.61	13.03	11.14	9.10	7.06	5.17	-3.59	-2.48	-2.00	-2.29	3.52	-2.48	-9.41
83.5	3.10	2.39	-2.26	2.55	3.09	3.70	4.25	4.73	5.15	5.53	5.90	6.27	-6.65	-7.07	-7.55	-8.10	-8.74	-9.50	-10.39	11.42
83.0	1.00	-.29	-.44	1.20	2.27	3.40	4.36	5.15	5.81	6.38	6.90	7.42	-7.99	-8.65	-9.44	-10.40	-11.58	-13.03	-14.78	16.88
82.5	-5.00	-4.62	-3.88	2.96	2.07	1.40	1.10	1.13	1.42	-1.87	2.40	2.93	3.38	-3.67	-3.70	3.40	-2.68	-1.46	.34	2.81
82.0	16.90	-15.65	-13.69	11.36	9.01	-7.00	5.58	4.71	4.25	4.06	4.00	3.94	3.75	-3.29	-2.42	-1.00	1.09	4.00	7.87	12.81
81.5	-13.60	-13.11	-11.61	9.63	7.71	-6.40	-6.11	6.73	8.04	-9.80	-11.80	13.80	-15.56	-16.87	-17.49	-17.20	-15.76	-12.95	-8.53	2.28
81.0	-6.60	-5.97	-5.47	5.12	4.95	-5.00	-5.28	5.76	6.39	-7.12	-7.90	-8.68	9.41	-10.04	-10.52	-10.80	-10.84	-10.58	-9.97	8.97
80.5	-6.50	-6.92	-7.65	8.49	9.24	-9.70	-9.71	9.33	-8.65	7.78	6.80	5.82	-4.95	-4.27	-3.89	-3.90	-4.41	-5.51	-7.30	9.88
80.0	-5.20	-4.88	-4.73	4.69	4.70	4.70	-4.64	-4.53	4.38	4.19	4.00	3.81	-3.62	-3.47	-3.36	-3.30	-3.31	-3.40	-3.59	-3.89
79.5	-8.70	-9.27	-9.69	9.90	-9.79	-9.30	-8.37	-7.05	5.46	3.68	-1.80	.08	1.86	3.45	4.77	5.70	6.16	6.06	5.30	3.79
79.0	-4.00	-3.91	-4.09	-4.50	-5.15	-6.00	-7.05	8.25	9.57	-10.96	-12.40	-13.84	-15.23	-16.55	-17.75	-18.80	-19.65	-20.27	-20.61	-20.64
78.5	-5.70	-7.37	-9.29	-11.24	-12.95	-14.20	-14.80	-14.82	-14.42	-13.73	-12.90	12.07	-11.38	-10.98	-11.00	-11.60	-12.91	-15.08	-18.25	-22.56
78.0	-1.60	-1.82	-2.03	-2.27	-2.55	-2.90	-3.33	-3.84	-4.39	-4.99	-5.60	-6.21	-6.81	-7.36	-7.87	-8.30	-8.64	-8.88	-8.99	8.95
77.5	-2.70	-2.14	-1.53	-1.20	-1.45	-2.60	-4.87	-8.10	-12.07	-16.51	-21.20	25.89	-30.33	-34.30	-37.53	-39.80	-40.86	-40.46	-38.37	-34.35
77.0	-5.60	-8.41	-12.21	-16.18	-19.48	-21.30	-21.02	-18.88	-15.36	-10.91	-6.00	-1.09	3.36	6.88	9.02	9.30	7.27	2.46	-5.59	-17.34
76.5	-11.20	-11.50	-11.62	-11.72	-11.93	-12.40	-13.24	-14.39	-15.80	-17.36	-19.00	-20.64	-22.20	-23.61	-24.76	-25.60	-26.03	-25.98	-25.37	24.11
76.0	-7.10	-5.79	-4.87	-4.31	-4.06	-4.10	-4.38	-4.86	-5.49	-6.22	-7.00	-7.78	-8.51	-9.14	-9.62	-9.90	-9.93	-9.67	-9.06	-8.05
75.5	-11.30	-12.06	-12.54	-12.74	-12.63	-12.20	-11.43	-10.39	9.14	-7.76	-6.30	4.84	-3.46	-2.21	-1.17	-.40	.02	.03	-.45	-1.48
75.0	-13.00	-12.57	-11.52	-10.20	-8.94	-8.10	-7.94	-8.40	-9.31	-10.53	-11.90	-13.27	-14.49	-15.40	-15.86	-15.70	-14.78	-12.94	-10.03	5.89
74.5	-10.30	-11.03	-11.38	-11.47	-11.43	-11.40	-11.48	-11.66	-11.93	-12.25	-12.60	-12.95	-13.27	-13.54	-13.72	-13.80	-13.74	-13.52	-13.11	12.48
74.0	-3.90	-3.59	-3.97	-4.79	-5.82	-6.80	-7.53	-8.03	-8.35	-8.56	-8.70	-8.84	-9.05	-9.37	-9.87	-10.60	-11.63	-13.01	-14.81	17.08
73.5	-6.70	-6.23	-6.12	-6.41	-7.12	-8.30	-9.95	-11.99	-14.33	-16.86	-19.50	-22.14	-24.67	-27.01	-29.05	-30.70	-31.85	-32.41	-32.28	31.36
73.0	-9.20	-8.83	-8.53	-8.27	-8.06	-7.90	-7.77	-7.68	-7.61	-7.55	-7.50	-7.45	-7.39	-7.32	-7.23	-7.10	-6.94	-6.72	-6.46	6.13
72.5	-6.40	-6.35	-6.88	-7.76	-8.74	-9.60	-10.14	-10.39	-10.41	-10.29	-10.10	-9.91	-9.79	-9.81	-10.06	-10.60	-11.51	-12.86	-14.72	17.17

ASPECT

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
72.0	6.88	-7.70	8.63	-9.44	9.90	9.84	9.41	8.43	7.32	6.10	-4.88	3.77	2.89	-2.36	-2.30	-2.82	-4.03	6.06	-9.01
71.5	-13.69	12.92	-11.65	10.10	8.50	7.05	5.75	4.57	-3.47	2.40	-1.33	-2.3	.95	2.25	3.70	5.34	7.21	9.35	11.80
71.0	-9.34	9.52	-9.98	-10.53	-11.00	11.26	11.32	11.23	11.04	-10.80	10.56	-10.37	-10.28	10.34	-10.60	-11.11	-11.92	-13.08	-14.65
70.5	-9.80	12.07	14.43	16.37	17.40	-17.16	15.80	13.60	10.84	-7.80	4.76	-2.00	.20	1.56	1.80	.64	-2.20	7.01	-14.05
70.0	-3.50	-2.77	-3.36	-4.26	-5.30	-6.30	7.23	8.11	-8.96	-9.80	-10.64	11.49	-12.37	-13.31	-14.30	-15.37	-16.54	-17.82	-19.23
69.5	-12.60	13.00	13.53	14.12	14.67	15.10	15.43	15.39	15.26	15.10	-14.94	-14.81	-14.77	-14.85	-15.10	-15.55	-16.25	-17.24	-18.55
69.0	-7.26	-11.47	-15.79	-19.41	21.50	21.45	19.51	16.16	11.87	7.10	2.33	1.96	5.31	7.25	7.30	5.00	-1.4	-8.57	-20.77
68.5	-11.64	12.08	12.46	-12.79	-13.10	13.41	13.73	14.05	14.37	-14.70	-15.03	-15.35	15.67	-15.99	-16.30	-16.61	-16.90	-17.19	-17.47
68.0	-6.36	-7.45	8.71	-9.78	10.30	-10.00	-8.96	7.38	-5.43	-3.30	-1.17	.78	2.36	3.40	3.70	3.09	1.38	-1.60	-6.05
67.5	-7.88	-8.92	-10.35	-11.80	-12.90	13.38	13.28	12.76	-11.95	-11.00	-10.05	-9.24	-8.72	-8.62	-9.10	-10.29	-12.33	-15.38	-19.56
67.0	-9.80	-8.49	7.05	-5.99	5.40	-5.43	6.00	6.98	-8.22	9.60	10.98	-12.22	-13.20	-13.77	-13.80	-13.16	-11.71	9.31	5.84
66.5	-12.77	12.59	-12.34	12.16	12.20	12.58	13.27	14.19	15.26	16.40	17.54	-18.61	-19.53	-20.22	-20.60	-20.60	-20.15	-19.17	17.58
66.0	9.09	9.62	10.43	11.35	12.20	12.85	13.40	13.61	13.83	14.00	14.17	-14.39	-14.70	15.15	-15.80	-16.69	-17.86	19.37	21.26
65.5	-10.10	-9.41	8.75	7.78	7.60	7.30	8.04	8.56	9.20	9.90	10.60	11.24	11.76	12.10	-12.20	-12.00	-11.45	-10.47	9.02
65.0	30	1.82	5.35	9.41	13.11	16.20	19.12	12.78	9.60	6.00	-2.40	.78	3.12	4.20	3.60	.90	-4.32	-12.49	24.01
64.5	-10.00	-11.38	13.68	16.24	18.43	19.26	17.59	14.92	11.57	7.90	4.23	-.88	1.79	3.46	3.80	2.47	-.86	-6.53	-14.87
64.0	8.20	-9.42	10.62	11.77	12.84	14.63	15.34	15.98	16.55	17.10	17.65	18.22	-18.86	19.57	20.40	-21.37	-22.50	-23.83	25.39
63.5	6.10	-5.46	5.71	6.56	7.72	8.90	10.59	11.15	11.60	12.00	12.40	-12.85	13.41	14.15	-15.10	-16.33	-17.90	-19.86	22.27
63.0	7.70	7.61	7.7	7.94	8.26	8.93	9.24	9.53	9.82	10.10	10.38	10.67	-10.96	11.27	-11.60	-11.95	-12.33	12.75	13.20
62.5	8.20	9.21	10.27	12.07	12.60	12.38	12.65	12.40	11.79	11.20	10.61	10.10	9.75	9.62	9.80	-10.37	-11.39	-12.95	15.13
62.0	6.40	8.51	11.06	13.57	16.60	16.40	13.54	12.51	9.60	6.40	3.20	-.29	2.04	3.50	3.80	2.65	-.25	5.18	12.43
61.5	11.50	11.43	10.19	8.33	6.38	4.90	4.19	5.29	6.50	7.90	9.30	10.51	11.31	11.50	10.90	-9.29	6.48	2.26	4.57
61.0	5.50	6.24	7.81	9.77	11.68	13.10	13.57	12.89	11.84	10.60	9.36	-8.31	-7.63	-7.49	-8.10	9.63	-12.26	-16.19	21.59
60.5	6.69	8.40	10.90	13.56	15.84	17.20	16.13	14.14	11.56	8.70	5.84	-3.26	-1.27	-.16	-.20	-1.70	-4.94	10.22	17.83
60.0	8.80	-10.26	12.07	13.93	15.54	16.60	16.89	16.51	14.40	13.00	11.60	-10.38	9.49	9.11	-9.40	-10.54	-12.69	16.02	20.71
59.5	-10.60	-11.57	12.25	12.74	13.09	13.40	14.07	14.44	14.82	15.20	15.58	-15.96	16.33	16.68	-17.00	-17.29	-17.55	17.77	17.93
59.0	-6.10	-4.62	4.12	4.37	5.17	6.30	7.59	8.98	11.96	13.50	15.04	-16.56	-18.02	-19.41	-20.70	-21.86	-22.88	23.72	24.36
58.5	-7.20	-9.17	11.29	13.27	14.81	15.60	15.42	12.75	-10.68	-8.40	6.12	-4.05	-2.40	-1.38	-1.20	-2.07	-4.21	-7.82	-13.11
58.0	-4.50	-4.36	-4.60	5.11	5.78	6.50	7.18	8.39	-8.95	9.50	-10.05	-10.61	-11.20	-11.82	-12.50	-13.24	-14.06	-14.97	-15.98
57.5	-10.29	-10.29	-13.63	17.00	-19.80	-21.40	-21.35	-19.86	13.97	-10.30	-6.63	-3.32	-.74	.75	.80	-.96	-4.90	-11.38	-20.75
57.0	-3.73	-3.56	3.58	3.79	-4.20	-4.79	-5.53	-6.39	-7.33	-8.30	9.27	-10.21	-11.07	-11.81	-12.40	-12.80	-12.97	-12.87	-12.47
56.5	-9.60	-8.10	-6.47	-5.10	-4.35	-4.60	6.11	-8.72	-16.14	-20.40	-24.66	-28.64	-32.08	-34.69	-36.20	-36.34	-34.83	-31.41	25.78
56.0	-17.40	-17.12	-16.02	-14.54	-13.12	-12.20	-12.11	-12.78	-15.61	-17.40	-19.19	-20.79	-22.02	-22.69	-22.60	-21.58	-19.42	-15.96	-10.99
55.5	-7.70	-9.32	-10.81	-12.00	-12.70	-11.89	-10.38	-8.35	-5.96	-3.40	-.84	1.55	3.58	5.09	5.90	5.83	4.72	2.38	-1.36
55.0	-8.70	-9.43	-10.19	-10.98	-12.70	-13.63	-14.61	-15.62	-16.66	-17.70	-18.74	-19.78	-20.79	-21.77	-22.70	-23.58	-24.39	-25.13	-25.77
54.5	-12.20	-12.31	-11.97	11.32	-10.48	-8.78	8.02	-7.32	-6.65	6.00	5.35	-4.68	-3.98	-3.22	-2.40	-1.49	-.48	.66	1.93
54.0	-14.90	-13.80	-12.21	-10.46	-8.85	-7.70	-7.42	8.05	-9.00	-10.10	-11.20	-12.15	-12.78	-12.95	-12.50	-11.27	9.12	-5.88	-1.39
53.5	-8.30	-10.69	-13.31	-15.79	-18.90	-18.91	-17.93	-16.23	-14.04	-11.60	-9.16	-6.97	-5.27	-4.29	-4.30	-5.53	8.22	12.62	18.98
53.0	-3.40	-3.60	-4.38	-5.47	-6.60	-7.50	-7.96	-7.78	-7.34	-6.80	-6.26	-5.82	5.58	5.64	-6.10	-7.06	8.63	10.89	13.96
52.5	-6.90	-6.76	-6.66	-6.65	-6.81	-7.20	-7.88	-8.79	-9.89	-11.12	-12.40	-13.68	-14.91	-16.92	-17.60	-17.97	-17.98	17.56	16.66
52.0	-15.20	-13.17	-10.79	-8.41	-6.36	-5.00	-4.99	-6.01	-7.45	-9.10	-10.75	-12.19	-13.21	-13.62	-13.20	-11.75	-9.06	-4.92	.87
51.5	-7.70	-7.85	-7.65	-7.34	-7.18	-7.40	-9.50	-11.19	-13.13	-15.20	-17.27	-19.21	-20.90	-22.20	-23.00	-23.16	-22.56	21.07	18.56
51.0	-7.50	-8.79	9.90	-10.88	-11.80	-13.63	-14.59	-15.58	-16.59	-17.60	-18.61	-19.62	20.61	-21.57	-22.50	23.39	24.23	25.02	25.74

ASPECT

BISTATIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
50.5	-5.10	-6.40	-8.33	-10.49	-12.48	-13.90	-14.45	-14.21	-13.40	-12.20	-10.80	-9.40	8.20	-7.39	-7.15	-7.70	-9.22	-11.90	-15.94	21.54
50.0	-4.90	-7.31	-9.76	-12.03	-13.89	-15.10	-15.51	-15.22	-14.40	-13.24	-11.90	-10.56	9.40	8.58	-8.29	-8.70	-9.98	-12.31	-15.86	20.80
49.5	-19.50	-19.93	-18.83	-16.77	-14.31	-12.00	-10.29	-9.14	-8.42	-7.99	-7.70	-7.41	6.98	6.26	-5.11	-3.40	-9.7	2.31	6.58	12.00
49.0	-12.50	-14.20	-15.92	-17.34	-18.17	-18.10	-16.91	-14.75	-11.87	-8.51	-4.90	-1.29	2.07	4.95	7.11	8.30	8.28	6.81	3.65	-1.45
48.5	-16.90	-17.68	-17.39	-16.32	-14.73	-12.90	-11.05	-9.22	-7.40	-5.60	-3.80	-2.00	-20	1.62	3.45	5.30	7.18	9.09	11.04	13.03
48.0	-16.70	-15.98	-14.16	-11.81	-9.47	-7.70	-6.92	-7.03	-7.81	-9.05	-10.50	-11.95	-13.19	-13.97	-14.08	-13.30	-8.16	-8.16	-3.35	3.25
47.5	-12.70	-14.31	-15.55	-16.40	-16.85	-16.90	-16.54	-15.85	-14.91	-13.80	-12.60	-11.40	-10.29	-9.35	-8.66	-8.30	-8.36	-8.93	-10.08	-11.90
47.0	-6.40	-5.87	-4.78	-3.48	-2.31	-1.60	-1.61	-2.27	-3.41	-4.88	-6.50	-8.12	-9.59	-10.73	-11.39	-11.40	-10.61	-8.85	-5.96	-1.78
46.5	-9.90	-11.56	-13.34	-14.98	-16.22	-16.80	-16.53	-15.52	-13.95	-12.02	-9.90	-7.78	-5.85	-4.28	-3.27	-3.00	-3.65	-5.41	-8.47	-13.00
46.0	-8.80	-8.79	-9.38	-10.27	-11.18	-11.80	-11.91	-11.56	-10.87	-9.94	-8.90	-7.86	-6.93	-6.24	-5.89	-6.00	-6.69	-8.08	-10.27	-13.39
45.5	-5.00	-8.03	-12.35	-16.98	-20.96	-23.30	-23.29	-21.19	-17.53	-12.82	-7.60	-2.38	-2.33	-6.24	5.99	8.10	5.51	-21	-9.58	23.11
45.0	-7.40	-9.25	-10.94	-12.43	-13.63	-14.50	-14.99	-15.15	-15.07	-14.82	-14.50	-14.18	-13.93	-13.85	-14.01	-14.50	-15.39	-16.77	-18.71	21.30
44.5	-2.90	-4.13	-5.94	-7.97	-9.82	-11.10	-11.53	-11.21	-10.32	-9.06	-7.60	-6.14	-4.88	-3.99	-3.67	-4.10	-5.48	-8.00	-11.83	-17.19
44.0	-13.90	-14.79	-14.75	-14.13	-13.26	-12.50	-12.12	-12.10	-12.35	-12.78	-13.30	-13.82	-14.25	-14.50	-14.48	-14.10	-13.27	-11.89	-9.88	-7.16
43.5	11.30	-13.39	-14.80	-15.68	-16.20	-16.50	-16.72	-16.91	-17.05	-17.18	-17.30	-17.42	-17.55	-17.69	-17.88	-18.10	-18.38	-18.72	-19.14	-19.64
43.0	6.10	-8.74	-12.22	-15.91	-19.18	-21.40	-22.10	-21.45	-19.79	-17.46	-14.80	-12.14	-9.81	-8.15	-7.50	-8.20	-10.58	-14.97	-21.72	31.16
42.5	20.20	-21.12	-20.83	-19.75	-18.77	-16.80	-15.65	-14.83	-14.25	-13.84	-13.50	-13.16	-12.75	-12.17	-11.35	-10.20	-8.65	-6.61	-4.00	-7.4
42.0	6.20	-5.85	-5.89	-6.25	-6.85	-7.60	-8.44	-9.35	-10.31	-11.30	-12.30	-13.30	-14.29	-15.25	-16.16	-17.00	-17.77	-18.43	-18.99	19.42
41.5	13.20	-13.41	-13.12	-12.46	-11.61	-10.70	-9.87	-9.13	-8.45	-7.81	-7.20	-6.59	-5.95	-5.27	-4.53	-3.70	-2.77	-1.70	-49	8.9
41.0	6.10	-6.91	-7.89	-8.85	-9.65	-10.10	-10.09	-9.67	-8.95	-8.03	-7.00	-5.97	-5.05	-4.33	-3.91	-3.90	-4.33	-5.50	-7.32	-9.95
40.5	11.50	-11.90	-12.24	-12.46	-12.50	-12.40	-12.10	-11.07	-10.15	-9.11	-8.00	-6.89	-5.85	-4.93	-4.19	-3.70	-3.52	-3.70	-4.32	5.43
40.0	9.60	-10.47	-11.34	-12.12	-12.74	-13.10	-13.16	-12.95	-12.54	-12.00	-11.40	-10.80	-10.26	-9.85	-9.64	-9.70	-10.09	-10.87	-12.12	-13.90
39.5	7.10	-6.29	-6.43	-7.21	-8.30	-9.40	-10.25	-10.86	-11.27	-11.57	-11.80	-12.03	-12.33	-12.74	-13.35	-14.20	-15.36	-16.89	-18.86	21.32
39.0	6.60	-6.72	-6.99	-7.47	-8.19	-9.20	-10.52	-12.11	-13.90	-15.82	-17.80	-19.78	-21.70	-23.49	-25.08	-26.40	-27.39	-27.99	-28.12	27.72
38.5	-3.50	-2.24	-1.79	-2.06	-2.93	-4.30	-6.06	-8.12	-10.42	-12.87	-15.40	-17.93	-20.38	-22.68	-24.74	-26.50	-27.87	-28.78	-29.15	28.90
38.0	-8.90	-8.74	-9.31	-10.22	-11.08	-11.50	-11.17	-10.16	-8.66	-6.81	-4.80	-2.79	-94	-56	1.57	1.90	1.39	-13	-2.82	-6.86
37.5	-6.90	-7.81	-9.70	-12.10	-14.53	-16.50	-17.65	-18.04	-17.87	-17.33	-16.60	-15.87	-15.33	-15.16	-15.55	-16.70	-18.78	-21.99	-26.51	32.53
37.0	-5.70	-5.66	-5.44	-5.20	-5.07	-5.20	-5.69	-6.49	-7.53	-8.72	-10.00	-11.28	-12.47	-13.51	-14.31	-14.80	-14.89	-14.50	-13.56	-11.99
36.5	-20	-21	-7.5	-2.58	-4.76	-6.80	-8.29	-9.25	-9.82	-10.12	-10.30	-10.48	-10.78	-11.35	-12.31	-13.80	-15.94	-18.87	-22.72	-27.62
36.0	-3.70	-3.82	-4.18	-4.78	-5.59	-6.60	-7.78	-9.11	-10.55	-12.06	-13.60	-15.14	-16.65	-18.09	-19.42	-20.60	-21.61	-22.40	-22.93	23.19
35.5	-7.40	-8.03	-8.48	-8.82	-9.10	-9.40	-9.76	-10.19	-10.67	-11.18	-11.70	-12.22	-12.73	-13.21	-13.64	-14.00	-14.29	-14.47	-14.55	-14.50
35.0	-10.10	-10.32	-10.48	-10.56	-10.52	-10.30	-9.89	-9.31	-8.61	-7.83	-7.00	-6.17	-5.39	-4.69	-4.11	-3.70	-3.50	-3.55	-3.89	-4.56
34.5	-4.40	-7.57	-12.19	-17.24	-21.72	-24.60	-25.13	-23.57	-20.45	-16.29	-11.60	-6.91	-2.75	37	1.93	1.40	-1.74	-8.01	-17.93	32.02
34.0	-3.40	-5.64	-8.87	-12.45	-15.74	-18.10	-19.04	-18.71	-17.43	-15.52	-13.30	-11.08	-9.17	-7.89	-7.56	-8.50	-11.02	-15.43	-22.05	-31.20
33.5	-4.70	-4.27	-5.34	-7.44	-10.08	-12.80	-15.21	-17.29	-19.13	-20.80	-22.40	-24.00	-25.67	-27.51	-29.59	-32.00	-34.81	-38.11	-41.97	46.48
33.0	-7.80	-8.09	-8.70	-9.53	-10.47	-11.40	-12.24	-12.98	-13.66	-14.29	-14.90	-15.51	-16.14	-16.82	-17.56	-18.40	-19.35	-20.44	-21.69	-23.13
32.5	-3.00	-3.47	-5.07	-7.34	-9.81	-12.00	-13.55	-14.51	-15.02	-15.23	-15.30	-15.37	-15.58	-16.09	-17.05	-18.60	-20.89	-24.08	-28.31	33.72
32.0	-6.60	-6.47	-8.22	-11.06	-14.18	-16.80	-18.29	-18.73	-18.39	-17.52	-16.40	-15.28	-14.41	-14.07	-14.51	-16.00	-18.79	-23.15	-29.34	-37.62
31.5	-7.40	-7.21	-7.76	-8.84	-10.26	-11.80	-13.31	-14.76	-16.16	-17.54	-18.90	-20.26	-21.64	-23.04	-24.49	-26.00	-27.58	-29.25	-31.02	32.91
31.0	-4.20	-4.31	-4.81	-5.75	-7.16	-9.10	-11.58	-14.51	-17.78	-21.29	-24.90	-28.51	-32.02	-35.29	-38.22	-40.70	-42.61	-43.84	-44.27	-43.80
30.5	-8.50	-7.27	-6.95	-7.47	-8.74	-10.70	-13.25	-16.29	-19.69	-23.34	-27.10	-30.86	-34.51	-37.91	-40.95	-43.50	-45.45	-46.67	-47.05	46.46
30.0	-8.90	-9.21	-9.64	-10.26	-11.12	-12.30	-13.83	-15.66	-17.71	-19.92	-22.20	-24.48	-26.69	-28.74	-30.57	-32.10	-33.25	-33.96	-34.13	33.71
29.5	-4.40	-7.20	-11.42	-16.32	-21.13	-25.10	-27.66	-28.93	-29.25	-28.94	-28.30	-27.66	-27.35	-27.67	-28.94	-31.50	-35.65	-41.72	-50.02	60.88

ANGLE

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
29.0	5.90	-7.49	-10.07	-13.10	-16.08	-18.50	-19.96	-20.49	-20.00	-19.30	18.60	-18.11	-18.05	-18.64	-20.10	-22.64	-26.47	-31.82	-38.90
28.5	10.30	-11.66	-12.75	-14.30	-16.40	-18.50	-19.96	-20.49	-20.00	-19.30	18.60	-18.11	-18.05	-18.64	-20.10	-22.64	-26.47	-31.82	-38.90
28.0	17.20	-17.53	-16.87	-15.63	-14.24	-13.10	-12.55	-12.93	-13.60	-14.40	-15.20	-15.87	-16.26	-16.25	-15.70	-14.47	-12.43	-9.45	5.38
27.5	10.80	-11.87	-12.38	-12.23	-12.33	-12.15	-12.38	-12.75	-13.20	-13.70	-14.20	-14.65	-15.02	-15.25	-15.30	-15.13	-14.68	-13.92	-12.80
27.0	-12.30	-12.93	-12.77	-12.18	-11.50	-11.10	-11.25	-11.89	-12.92	-14.20	-15.60	-17.00	-18.28	-19.31	-19.95	-20.10	-19.62	-18.38	-13.14
26.5	-9.00	-10.45	-11.71	-12.75	-13.56	-14.10	-14.38	-14.43	-14.31	-14.08	-13.80	-13.52	-13.29	-13.17	-13.22	-13.50	-14.06	-16.24	-17.98
26.0	-9.60	-11.17	-12.65	-13.91	-14.81	-15.20	-14.99	-14.27	-13.16	-11.79	-10.30	-8.81	-7.44	-6.33	-5.61	-5.40	-5.84	-7.04	-12.29
25.5	-11.20	-12.76	-13.90	-14.63	-14.96	-14.90	-14.46	-13.72	-12.74	-11.61	-10.40	-9.19	-8.06	-6.34	-5.90	-5.85	-6.26	-7.21	8.78
25.0	-10.40	-11.66	-12.28	-12.45	-12.39	-12.30	-12.36	-12.56	-12.88	-13.27	-13.70	-14.13	-14.52	-14.84	-15.10	-14.97	-14.63	-14.02	-13.12
24.5	-10.70	-12.23	-12.86	-12.86	-12.49	-12.00	-11.62	-11.36	-11.19	-11.08	-11.00	-10.92	-10.81	-10.64	-10.38	-9.47	-8.75	-7.82	-6.65
24.0	-8.90	-10.97	-12.93	-14.57	-15.69	-16.10	-15.66	-14.48	-12.76	-10.67	-8.40	-6.13	-4.04	-2.32	-1.14	-0.70	-1.17	-2.74	-5.59
23.5	-12.20	-14.23	-15.65	-16.43	-16.56	-16.00	-14.77	-12.97	-10.75	-8.24	-5.60	-2.96	-0.45	1.77	3.57	4.80	5.33	5.01	3.71
23.0	-12.80	-14.28	-14.93	-14.89	-14.33	-13.40	-12.25	-10.93	-8.32	-7.84	-7.40	-6.96	-6.48	-5.92	-5.24	-4.40	-3.36	-2.24	2.65
22.5	-12.30	-13.03	-12.95	-12.32	-11.39	-10.40	-9.56	-8.88	-8.32	-7.84	-7.40	-6.96	-6.48	-5.92	-5.24	-4.40	-3.36	-2.24	2.65
22.0	-13.10	-13.57	-12.84	-11.37	-9.63	-8.10	-7.14	-6.68	-6.92	-7.30	-7.60	-7.92	-7.89	-7.46	-6.50	-5.47	-4.37	-3.24	1.42
21.5	-12.53	-12.53	-12.03	-10.81	-9.26	-7.80	-6.74	-6.06	-5.49	-5.40	-5.31	-5.12	-4.74	-4.06	-3.00	-1.45	-0.68	0.38	7.07
21.0	-11.40	-12.04	-11.80	-10.97	-9.81	-8.60	-7.57	-6.72	-6.00	-5.38	-4.80	-4.22	-3.60	-2.88	-2.03	-1.00	-0.26	1.79	5.86
20.5	10.20	-10.86	-10.87	-10.42	-9.68	-8.80	-7.93	-7.10	-6.28	-5.49	-4.70	-3.91	-3.12	-2.30	-1.47	-0.60	-0.31	1.26	3.34
20.0	10.40	-11.27	-11.28	-10.70	-9.79	-8.80	-7.95	-7.26	-6.67	-6.17	-5.70	-5.23	-4.73	-4.14	-3.45	-2.60	-1.56	-0.30	3.06
19.5	15.50	-13.69	-13.44	-12.50	-11.24	-10.00	-9.07	-8.34	-7.78	-7.30	-6.90	-6.57	-6.24	-5.85	-5.20	-4.38	-3.19	-1.7	3.06
19.0	15.50	-16.54	-16.52	-15.76	-14.55	-13.20	-11.95	-10.83	-9.80	-8.83	-7.90	-7.00	-6.00	-4.97	-3.85	-2.60	-1.19	-0.40	3.28
18.5	22.10	-23.53	-23.29	-21.85	-19.69	-17.40	-15.07	-13.03	-11.14	-9.34	-7.60	-5.86	-4.06	-2.17	-1.3	-2.10	-4.58	-7.35	10.47
18.0	14.70	-16.59	-17.74	-18.19	-17.96	-17.10	-15.96	-14.74	-13.46	-12.04	-10.30	-8.66	-6.94	-5.14	-3.36	-1.50	-0.35	5.48	3.11
17.5	12.50	-13.65	-14.20	-14.23	-13.78	-12.90	-11.66	-10.13	-8.37	-6.47	-4.50	-2.53	-0.63	1.13	2.66	3.90	4.77	5.21	4.46
17.0	10.80	-11.53	-11.66	-11.31	-10.62	-9.70	-8.66	-7.34	-6.36	-5.14	-3.90	-2.66	-1.44	-0.26	0.86	1.90	2.84	3.65	4.84
16.5	10.90	-11.36	-11.05	-10.20	-9.04	-7.80	-6.66	-5.64	-4.71	-3.84	-3.00	-2.16	-1.29	-0.36	0.66	1.80	3.08	4.54	6.21
16.0	11.60	-11.88	-11.15	-9.77	-8.07	-6.40	-5.03	-3.96	-3.12	-2.42	-1.80	-1.18	-0.48	0.36	1.43	2.80	4.54	6.72	9.43
15.5	12.50	-12.57	-11.52	-9.76	-7.69	-5.70	-4.12	-2.92	-2.02	-1.31	-0.70	-0.09	0.62	1.52	2.72	4.30	6.37	9.03	12.36
15.0	14.30	-14.18	-12.72	-10.43	-7.82	-5.40	-3.57	-2.29	-1.43	-0.84	-0.40	0.04	0.63	1.49	2.77	4.60	7.13	10.49	14.83
14.5	15.20	-15.03	-13.48	-11.08	-8.34	-5.80	-3.86	-2.50	-1.56	-0.91	-0.40	0.11	0.76	1.70	3.06	5.00	7.65	11.16	15.67
14.0	15.10	-14.96	-13.49	-11.20	-8.61	-6.20	-4.38	-2.28	-1.22	-0.72	-0.30	-0.88	-0.32	0.52	1.78	3.60	6.11	9.46	13.79
13.5	14.20	-14.03	-12.67	-10.59	-8.24	-6.10	-4.53	-2.88	-2.52	-2.30	-2.08	-1.72	-1.10	-0.7	1.50	3.74	6.79	10.78	15.85
13.0	12.40	-12.38	-11.41	-9.86	-8.07	-6.40	-5.14	-4.27	-3.68	-3.29	-3.00	-2.71	-2.32	-1.73	-0.86	0.40	2.14	4.46	7.46
12.5	11.80	-11.87	-11.10	-9.80	-8.33	-7.00	-6.08	-5.55	-5.31	-5.25	-5.30	-5.35	-5.29	-5.05	-4.52	-3.60	-2.20	-0.22	2.43
12.0	10.50	-10.75	-10.35	-9.56	-8.66	-7.90	-7.50	-7.43	-7.62	-7.97	-8.40	-8.83	-9.18	-9.37	-9.30	-8.90	-8.09	-6.77	-4.88
11.5	8.70	-9.18	-9.30	-9.21	-9.06	-9.00	-9.16	-9.52	-10.03	-10.64	-11.30	-11.96	-12.57	-13.08	-13.44	-13.60	-13.51	-13.12	-12.38
11.0	8.30	-8.81	-9.01	-9.04	-9.03	-9.10	-9.35	-9.77	-10.31	-10.93	-11.60	-12.27	-12.89	-13.43	-13.85	-14.10	-14.14	-13.93	-13.43
10.5	8.30	-8.76	-9.03	-9.12	-9.11	-9.10	-9.17	-9.31	-9.51	-9.74	-10.00	-10.26	-10.49	-10.69	-10.83	-10.90	-10.87	-10.73	-10.45
10.0	-7.90	-8.58	-9.02	-9.27	-9.35	-9.30	-9.17	-8.93	-8.65	-8.34	-8.00	-7.66	-7.35	-7.07	-6.65	-6.70	-6.65	-6.71	-6.90
9.5	-7.90	-8.63	-9.10	-9.36	-9.42	-9.30	-9.04	-8.66	-8.19	-7.66	-7.10	-6.54	-6.01	-5.54	-5.16	-4.90	-4.78	-4.85	-5.11
9.0	-8.00	-8.84	-9.39	-9.67	-9.70	-9.50	-9.09	-8.52	-7.81	-7.03	-6.20	-5.37	-4.59	-3.88	-3.31	-2.90	-2.70	-2.76	-3.10
8.5	-8.60	-9.71	-10.47	-10.88	-10.95	-10.70	-10.14	-9.33	-8.32	-7.19	-6.00	-4.81	-3.68	-2.67	-1.86	-1.30	-1.06	-1.19	-1.77
8.0	-10.50	-11.88	-12.73	-13.08	-13.00	-12.50	-11.64	-10.49	-9.11	-7.59	-6.00	-4.41	-2.89	-1.51	-0.36	0.50	0.99	1.04	1.57

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
7.5	-13.60	-15.13	-15.88	-15.97	-15.50	-14.60	-13.37	-11.88	-10.19	-8.38	-6.50	-4.62	-2.81	-1.12	-.37	1.60	2.51	3.03	3.10	2.66
7.0	-17.40	-18.77	-18.96	-18.25	-16.93	-15.30	-13.59	-11.86	-10.12	-8.36	-6.60	-4.84	-3.08	-1.34	-.39	2.10	3.78	5.43	7.04	8.61
6.5	-17.70	-18.73	-18.44	-17.22	-15.47	-13.60	-11.92	-10.45	-9.14	-7.95	-6.80	-5.65	-4.46	-3.15	-1.68	.00	1.95	4.22	6.87	9.95
6.0	-14.40	-14.99	-14.52	-13.35	-11.85	-10.40	-9.29	-8.50	-7.96	-7.59	-7.30	-7.01	-6.64	-6.10	-5.31	-4.20	-2.67	-.65	1.95	5.20
5.5	-11.00	-11.21	-10.76	-9.94	-9.06	-8.40	-8.19	-8.38	-8.88	-9.59	-10.40	-11.21	-11.92	-12.42	-12.61	-12.40	-11.67	-10.33	-8.27	5.39
5.0	-9.10	-9.03	-8.56	-8.00	-7.65	-7.80	-8.69	-10.22	-12.24	-14.59	-17.10	-19.61	-21.96	-23.98	-25.51	-26.40	-26.48	-25.58	-23.55	20.22
4.5	-8.10	-8.07	-7.80	-7.51	-7.41	-7.70	-8.55	-9.88	-11.59	-13.53	-15.60	-17.67	-19.61	-21.32	-22.65	-23.50	-23.74	-23.25	-21.90	-19.58
4.0	-8.10	-8.14	-8.05	-7.90	-7.79	-7.80	-7.98	-8.32	-8.78	-9.32	-9.90	-10.48	-11.02	-11.48	-11.82	-12.00	-11.98	-11.73	-11.20	-10.36
3.5	-9.20	-8.98	-8.47	-7.86	-7.31	-7.00	-7.06	-7.46	-8.10	-8.91	-9.80	-10.69	-11.50	-12.14	-12.54	-12.60	-12.25	-11.40	-9.98	-7.89
3.0	-11.30	-10.95	-10.09	-9.01	-8.01	-7.40	-7.40	-7.94	-8.90	-10.13	-11.50	-12.87	-14.10	-15.06	-15.60	-15.60	-14.91	-13.41	-10.94	-7.38
2.5	-13.80	-13.57	-12.50	-11.02	-9.51	-8.40	-8.00	-8.24	-8.96	-10.00	-11.20	-12.40	-13.44	-14.16	-14.40	-14.00	-12.79	-10.62	-7.33	-2.75
2.0	-14.00	-13.87	-12.89	-11.41	-9.83	-8.50	-7.72	-7.45	-7.56	-7.91	-8.40	-8.89	-9.24	-9.35	-9.08	-8.30	-6.89	-4.72	-1.67	2.39
1.5	-13.00	-13.08	-12.51	-11.58	-10.54	-9.70	-9.26	-9.19	-9.41	-9.81	-10.30	-10.79	-11.19	-11.41	-11.34	-10.90	-9.99	-8.53	-6.41	-3.54
1.0	-11.90	-11.96	-11.50	-10.74	-9.93	-9.30	-9.04	-9.11	-9.43	-9.92	-10.50	-11.08	-11.57	-11.89	-11.96	-11.70	-11.02	-9.83	-8.06	5.62
.5	-13.40	-13.13	-12.06	-10.61	-9.18	-8.20	-7.97	-8.43	-9.40	-10.72	-12.20	-13.68	-15.00	-15.97	-16.43	-16.20	-15.12	-13.01	-9.71	5.04
0	-15.00	-15.02	-13.95	-12.37	-10.83	-9.90	-10.02	-11.09	-12.87	-15.11	-17.60	-20.09	-22.33	-24.11	-25.18	-25.30	-24.24	-21.76	-17.63	-11.61
5	-14.00	-14.59	-14.27	-13.44	-12.52	-11.90	-11.90	-12.48	-13.38	-14.77	-16.20	-17.63	-18.92	-19.92	-20.50	-20.50	-19.79	-18.22	-15.66	-11.95
10	-11.70	-12.42	-12.52	-12.30	-12.06	-12.10	-12.66	-13.68	-15.06	-16.67	-18.40	-20.13	-21.74	-23.12	-24.14	-24.70	-24.67	-23.94	-22.39	-19.91
15	-9.90	-10.47	-10.76	-10.95	-11.17	-11.60	-12.35	-13.39	-14.64	-16.03	-17.50	-18.97	-20.36	-21.61	-22.65	-23.40	-23.79	-23.75	-23.20	-22.08
20	-8.60	-10.05	-11.58	-13.00	-14.14	-14.80	-14.86	-14.30	-13.58	-12.44	-11.20	-9.96	-8.85	-8.00	-7.54	-7.60	-8.32	-9.82	-12.23	-15.69
25	-10.40	-12.27	-13.99	-15.43	-16.45	-16.90	-16.70	-15.91	-14.76	-13.40	-12.00	-10.70	-9.64	-8.64	-7.70	-7.00	-7.00	-8.34	-10.66	-14.10
30	-10.40	-11.83	-12.99	-14.77	-14.77	-14.20	-13.87	-13.24	-12.45	-11.48	-10.30	-9.22	-8.22	-7.36	-6.73	-6.40	-6.44	-6.93	-7.94	9.55
35	-9.20	-10.58	-11.77	-12.78	-13.59	-14.20	-14.60	-14.83	-14.92	-14.93	-14.90	-14.87	-14.88	-14.97	-15.20	-15.60	-16.21	-17.09	-18.26	-19.78
40	-9.60	-10.94	-12.04	-12.90	-13.49	-13.80	-13.82	-13.60	-13.20	-12.68	-12.10	-11.52	-11.00	-10.40	-10.38	-10.40	-10.72	-11.40	-12.51	-14.00
45	-10.00	-10.74	-11.06	-11.12	-11.08	-11.10	-11.30	-11.67	-12.18	-12.77	-13.40	-14.03	-14.62	-15.13	-15.50	-15.70	-15.68	-15.41	-14.83	-13.90
50	-12.90	-13.36	-13.16	-12.54	-11.73	-11.00	-10.53	-10.30	-10.26	-10.35	-10.50	-10.65	-10.74	-10.70	-10.47	-10.00	-9.21	-8.06	-6.46	-4.37
55	-10.40	-11.33	-11.93	-12.25	-12.35	-12.30	-12.14	-11.90	-11.60	-11.26	-10.90	-10.54	-10.20	-9.90	-9.66	-9.50	-9.44	-9.50	-9.70	-10.07
60	-8.50	-11.29	-14.49	-17.57	-20.02	-21.30	-21.04	-19.44	-16.82	-13.53	-9.90	-6.27	-2.98	-.36	1.24	1.50	.07	-3.38	-9.19	-17.69
65	-8.90	-12.00	-15.38	-18.54	-20.98	-22.20	-21.84	-20.11	-17.35	-13.90	-10.10	-6.30	-2.85	-.09	1.64	2.00	.64	-2.79	-8.62	-17.20
70	-6.90	-8.81	-10.83	-12.73	-14.24	-15.10	-15.14	-14.46	-13.24	-11.66	-9.90	-8.14	-6.56	5.34	-4.66	-4.70	-5.64	-7.65	-10.92	-15.63
75	-10.10	-11.84	-13.42	-14.70	-15.57	-15.90	-15.61	-14.80	-13.58	-12.11	-10.50	-8.89	-7.42	-6.20	-5.39	-5.10	-5.47	-6.64	-8.73	-11.88
80	-5.70	-10.64	-16.51	-22.35	-27.17	-30.00	-30.11	-27.84	-23.79	-18.54	-12.70	-6.86	-1.61	2.44	4.71	4.60	1.51	-5.15	-15.97	-31.56
85	-5.80	-9.35	-13.72	-18.07	-21.58	-23.40	-22.93	-20.46	-16.48	-11.49	-6.00	-.51	4.48	8.46	10.93	11.40	9.35	4.29	-4.28	-16.88
90	-6.40	-10.54	-15.53	-20.62	-25.06	-28.10	-29.19	-28.57	-26.66	-23.90	-20.70	-17.50	-14.74	-12.83	-12.21	-13.30	-16.54	-22.35	-31.17	-43.42
95	-7.40	-8.79	-10.19	-11.62	-13.09	-14.60	-16.16	-17.76	-19.39	-21.04	-22.70	-24.36	-26.01	-27.64	-29.24	-30.80	-32.31	-33.75	-35.13	-36.42
100	-4.30	-7.06	-10.60	-14.26	-17.38	-19.30	-19.53	-18.28	-15.90	-12.79	-9.30	-5.81	-2.70	-.32	.93	.70	-1.39	-5.72	-12.65	-22.56
105	-1.30	-2.90	-5.17	-7.69	-10.05	-11.80	-12.64	-12.67	-12.09	-11.09	-9.90	-8.71	-7.71	-7.13	-7.16	-8.00	-9.86	-12.94	-17.45	-23.58
110	-2.50	-3.90	-5.79	-7.85	-9.76	-11.20	-11.94	-12.05	-11.70	-11.03	-10.20	-9.37	-8.70	-8.35	-8.46	-9.20	-10.72	-13.19	-16.75	-21.56
115	-3.70	-4.71	-5.95	-7.26	-8.50	-9.50	-10.15	-10.48	-10.59	-10.53	-10.40	-10.27	-10.21	-10.31	-10.65	-11.30	-12.34	-13.85	-15.90	-18.58
120	-3.20	-4.64	-5.77	-6.88	-7.86	-8.60	-9.17	-9.41	-9.36	-9.15	-8.70	-8.25	-7.75	-7.16	-6.42	-5.97	-6.00	-6.85	-8.59	-10.78
125	-3.40	-4.63	-5.68	-6.68	-7.54	-8.10	-8.54	-8.76	-8.76	-8.54	-8.10	-7.67	-7.17	-6.57	-5.85	-5.17	-4.97	-5.00	-5.32	-6.24
130	-3.10	-3.65	-4.42	-5.35	-6.37	-7.40	-8.39	-9.33	-10.24	-11.13	-12.00	-12.87	-13.76	-14.67	-15.61	-16.60	-17.65	-18.76	-19.95	-21.24
135	-2.10	-2.29	-2.96	-4.04	-5.47	-7.20	-9.16	-11.31	-13.60	-15.97	-18.40	-20.83	-23.21	-25.49	-27.64	-29.60	-31.33	-32.78	-33.91	-34.66

ASPECT
ANGLE

BISTATIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
14.0	-4.30	-3.95	-3.85	-4.01	-4.40	-5.00	-5.80	-6.76	-7.84	-9.00	-10.20	-11.40	-12.56	-13.64	-14.60	-15.40	-16.00	-16.36	-16.44	-16.20
14.5	-5.40	-7.60	-10.69	-14.05	-17.04	-19.00	-19.47	-18.61	-16.76	-14.25	-11.40	-8.55	-6.04	-4.19	-3.33	-3.80	-5.93	-10.04	-16.48	-25.56
15.0	-5.50	-7.20	-9.37	-11.67	-13.79	-15.40	-16.26	-16.45	-16.15	-15.51	-14.70	-13.89	-13.25	-12.95	-13.14	-14.00	-15.69	-18.39	-22.24	-27.44
15.5	-3.20	-4.16	-6.14	-8.57	-10.88	-12.50	-13.00	-12.51	-11.25	-9.50	-7.50	-5.50	-3.75	-2.49	-2.00	-2.50	-4.26	-7.52	-12.54	-19.56
16.0	1.10	-4.4	-1.80	-4.87	-8.01	-10.50	-11.75	-11.87	-11.15	-9.87	-8.30	-6.73	-5.45	-4.73	-4.85	-6.10	-8.76	-13.10	-19.42	-27.99
16.5	-1.10	-2.52	-4.67	-7.10	-9.36	-11.00	-11.68	-11.51	-10.70	-9.45	-8.00	-6.55	-5.30	-4.49	-4.32	-5.00	-6.75	-9.78	-14.31	-20.54
17.0	-9.20	-10.17	-11.05	-11.74	-12.18	-12.30	-12.04	-11.46	-10.64	-9.66	-8.60	-7.54	-6.56	-5.74	-5.16	-4.90	-5.04	-5.67	-6.85	-8.68
17.5	-5.50	-6.75	-9.11	-11.86	-14.30	-15.70	-15.53	-13.97	-11.36	-8.06	-4.40	-7.4	-2.56	-5.17	-6.73	-6.90	-5.32	-1.64	-4.47	-13.39
18.0	-1.90	-3.60	-6.24	-9.30	-12.23	-14.50	-15.70	-15.94	-15.46	-14.50	-13.30	-12.10	-11.14	-10.66	-10.90	-12.10	-14.50	-18.34	-23.85	-31.29
18.5	-5.40	-4.86	-5.13	-5.91	-6.90	-7.80	-8.36	-8.60	-8.60	-8.44	-8.20	-7.96	-7.80	-7.80	-8.04	-8.60	-9.56	-11.00	-13.00	-15.64
19.0	-6.20	-7.18	-9.26	-11.75	-13.96	-15.20	-14.95	-13.38	-10.80	-7.57	-4.00	-4.3	-2.80	-5.38	-6.95	-7.20	-5.79	-2.39	-3.34	-11.72
19.5	-4.80	-5.60	-7.15	-9.07	-11.00	-12.60	-13.58	-14.00	-14.00	-13.72	-13.30	-12.88	-12.60	-12.60	-13.02	-14.00	-15.68	-18.20	-21.70	-26.32
20.0	-8.90	-9.69	-11.08	-12.72	-14.24	-15.30	-15.62	-15.29	-14.47	-13.32	-12.00	-10.68	-9.53	-8.71	-8.38	-8.70	-9.85	-11.97	-15.25	-19.84
20.5	-3.60	-5.39	-8.74	-12.76	-16.58	-19.30	-20.27	-19.65	-17.86	-15.28	-12.30	-9.32	-6.74	-4.95	-4.33	-5.40	-8.24	-13.54	-21.61	-32.82
21.0	-7.10	-7.64	-8.76	-10.24	-11.86	-13.40	-14.68	-15.72	-16.58	-17.32	-18.00	-18.68	-19.42	-20.28	-21.32	-22.60	-24.19	-26.14	-28.51	-31.37
21.5	-6.50	-5.77	-5.62	-5.88	-6.37	-6.90	-7.34	-7.67	-7.92	-8.12	-8.30	-8.48	-8.68	-8.93	-9.26	-9.70	-10.27	-10.99	-11.90	-13.02
22.0	-11.60	-12.29	-12.56	-12.56	-12.40	-12.20	-12.07	-12.01	-12.01	-12.05	-12.10	-12.15	-12.19	-12.19	-12.13	-12.00	-11.78	-11.45	-10.99	-10.39
22.5	-12.90	-12.89	-12.78	-12.67	-12.64	-12.80	-13.21	-13.84	-14.63	-15.54	-16.50	-17.46	-18.37	-19.16	-19.79	-20.20	-20.33	-20.13	-19.55	-18.52
23.0	-10.30	-12.54	-15.83	-19.33	-22.20	-23.60	-22.90	-20.35	-16.40	-11.53	-6.20	-8.7	-4.00	-7.95	-10.50	-11.20	-9.58	-5.19	-2.45	-13.39
23.5	-13.90	-13.82	-13.94	-14.07	-14.02	-13.60	-12.67	-11.29	-9.58	-7.65	-5.60	-3.55	-1.62	-0.9	-1.47	-2.40	-2.77	-2.47	-1.38	-6.0
24.0	-6.80	-8.42	-11.12	-14.20	-16.97	-18.30	-18.88	-17.67	-15.42	-12.49	-9.20	-5.91	-2.98	-7.3	-4.8	-3.0	-1.61	-5.60	-12.01	-21.19
24.5	-4.70	-6.51	-9.26	-12.36	-15.17	-17.10	-17.68	-17.06	-15.54	-13.42	-11.00	-8.58	-6.46	-4.94	-4.32	-4.90	-6.98	-10.86	-16.84	-25.22
25.0	-12.50	-13.94	-16.12	-18.41	-20.21	-20.90	-20.04	-17.80	-14.54	-10.59	-6.30	-2.01	-1.94	-5.20	-7.44	-8.40	-7.45	-4.54	-7.8	-38.3
25.5	-4.40	-5.46	-7.59	-10.26	-12.94	-15.10	-16.34	-16.74	-16.51	-15.86	-15.00	-14.14	-13.49	-13.26	-13.66	-14.90	-17.18	-20.72	-25.73	-32.41
26.0	-5.10	-4.52	-4.60	-5.09	-5.74	-6.30	-6.57	-6.57	-6.36	-6.01	-5.60	-5.19	-4.84	-4.63	-4.63	-4.90	-5.51	-6.53	-8.03	-10.08
26.5	-7.20	-7.12	-6.66	-6.10	-5.72	-5.80	-6.55	-7.89	-9.68	-11.77	-14.00	-16.23	-18.32	-20.11	-21.45	-22.20	-22.21	-21.32	-19.40	-16.29
27.0	-7.30	-7.32	-7.50	-7.82	-8.26	-8.80	-9.41	-10.08	-10.80	-11.54	-12.30	-13.06	-13.80	-14.52	-15.19	-15.80	-16.34	-16.79	-17.14	-17.38
27.5	-9.00	-9.18	-10.23	-11.72	-13.22	-14.30	-14.63	-14.27	-13.40	-12.18	-10.80	-9.42	-8.20	-7.33	-6.97	-7.30	-8.48	-10.68	-14.08	-18.85
28.0	-14.20	-13.46	-11.99	-10.15	-8.34	-6.90	-6.13	-5.97	-6.26	-6.86	-7.60	-8.34	-8.94	-9.23	-9.07	-8.30	-6.78	-4.35	-8.6	-3.84
28.5	-7.00	-7.64	-8.38	-9.24	-10.25	-11.40	-12.72	-14.17	-15.72	-17.34	-19.00	-20.66	-22.28	-23.83	-25.28	-26.60	-27.75	-28.69	-29.39	-29.83
29.0	-11.60	-12.77	-13.77	-14.52	-14.95	-15.00	-14.61	-13.86	-12.83	-11.61	-10.30	-8.99	-7.77	-6.74	-5.99	-5.60	-5.67	-6.30	-7.57	-9.58
29.5	-9.40	-10.46	-11.47	-12.34	-12.95	-13.20	-13.01	-12.44	-11.58	-10.54	-9.40	-8.26	-7.22	-6.36	-5.79	-5.60	-5.88	-6.73	-8.24	-10.51
30.0	-8.10	-9.13	-10.64	-12.38	-14.05	-15.40	-16.21	-16.53	-16.49	-16.20	-15.80	-15.40	-15.11	-15.07	-15.39	-16.20	-17.61	-19.75	-22.73	-26.69
30.5	-13.70	-14.46	-14.86	-15.06	-15.22	-15.50	-16.02	-16.77	-17.69	-18.72	-19.80	-20.88	-21.91	-22.83	-23.58	-24.10	-24.34	-24.25	-23.76	-22.83
31.0	-7.70	-7.58	-7.58	-7.68	-7.83	-8.00	-8.16	-8.31	-8.44	-8.57	-8.70	-8.83	-8.96	-9.09	-9.24	-9.40	-9.58	-9.77	-9.99	-10.24
31.5	-11.02	-10.31	-9.24	-8.21	-7.20	-6.00	-4.71	-3.47	-2.19	-0.86	-0.43	-0.14	-0.09	-0.17	-0.29	-0.40	-0.40	-0.30	-0.13	-0.09
32.0	-7.50	-8.66	-10.12	-11.57	-12.67	-13.10	-12.63	-11.37	-9.51	-7.25	-4.80	-2.35	-0.9	-1.77	-3.03	-3.50	-2.98	-1.27	-1.82	-6.50
32.5	-5.20	-5.40	-5.71	-6.14	-6.68	-7.30	-8.00	-8.77	-9.59	-10.44	-11.30	-12.16	-13.01	-13.83	-14.60	-15.30	-15.92	-16.45	-16.86	-17.14
33.0	-8.60	-8.33	-8.09	-7.90	-7.77	-7.70	-7.70	-7.75	-7.84	-7.96	-8.10	-8.24	-8.36	-8.45	-8.50	-8.50	-8.43	-8.27	-8.01	-7.64
33.5	-12.00	-12.22	-12.69	-13.27	-13.85	-14.30	-14.53	-14.55	-14.42	-14.18	-13.90	-13.62	-13.38	-13.25	-13.27	-13.50	-13.98	-14.76	-15.91	-17.45
34.0	-8.20	-9.46	-10.66	-11.80	-12.88	-13.90	-14.87	-15.79	-16.68	-17.54	-18.40	-19.26	-20.12	-21.01	-21.93	-22.90	-23.92	-25.01	-26.18	-27.44
34.5	-8.20	-9.13	-9.78	-10.37	-11.13	-12.30	-14.05	-16.32	-18.96	-21.87	-24.90	-27.93	-30.84	-33.48	-35.75	-37.50	-38.61	-38.95	-38.40	-36.82
35.0	-5.90	-8.48	-11.55	-14.67	-17.37	-19.20	-19.83	-19.40	-18.17	-16.42	-14.40	-12.38	-10.63	-9.40	-8.97	-9.60	-11.55	-15.09	-20.49	-28.00

ASPECT

DYNAMIC ANGLE

ASPECT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
35.5	-19.70	-20.00	-18.91	-17.19	-15.57	-14.80	-15.45	-17.37	-20.25	-23.77	-27.60	-31.43	-34.95	-37.83	-39.75	-40.40	-39.45	-36.60	-31.51	-23.87
36.0	-11.40	-11.02	-9.92	-8.55	-7.40	-6.90	-7.41	-8.82	-10.91	-13.44	-16.20	-18.96	-21.49	-23.58	-24.99	-25.50	-24.89	-22.93	-19.40	-14.08
36.5	-4.70	-6.04	-6.97	-7.64	-8.20	-8.80	-9.56	-10.46	-11.48	-12.57	-13.70	-14.83	-15.92	-16.94	-17.84	-18.60	-19.17	-19.51	-19.60	-19.38
37.0	-7.10	-8.84	-10.27	-11.30	-11.84	-11.80	-11.13	-9.91	-8.30	-6.42	-4.40	-2.38	-50	1.11	2.33	3.00	3.00	2.20	45	-2.37
37.5	-7.20	-8.34	-10.22	-12.35	-14.27	-15.50	-15.68	-14.93	-13.47	-11.55	-9.40	-7.25	-5.33	-3.87	-3.12	-3.30	-4.65	-7.39	-11.77	-18.01
38.0	-5.90	-5.91	-6.20	-6.63	-7.10	-7.50	-7.73	-7.81	-7.77	-7.65	-7.50	-7.35	-7.23	-7.19	-7.12	-7.50	-7.92	-8.57	-9.49	-10.72
38.5	-8.50	-10.27	-12.65	-15.26	-17.71	-19.60	-20.65	-20.95	-20.68	-20.03	-19.20	-18.37	-17.72	-17.45	-17.75	-18.80	-20.79	-23.91	-28.34	-34.24
39.0	-14.10	-13.75	-13.14	-12.37	-11.59	-10.90	-10.41	-10.10	-9.93	-9.84	-9.80	-9.76	-9.67	-9.50	-9.19	-8.70	-7.99	-7.00	-5.70	-4.05
39.5	-14.40	-13.06	-11.09	-9.05	-7.53	-7.10	-6.18	-10.60	-14.01	-18.09	-22.50	-26.91	-30.99	-34.40	-36.82	-37.90	-37.32	-34.74	-29.83	-22.26
40.0	-10.60	-11.67	-12.83	-13.94	-14.88	-15.50	-15.71	-15.57	-15.16	-14.58	-13.90	-13.22	-12.64	-12.23	-12.09	-12.30	-12.96	-14.16	-15.97	-18.51
40.5	-5.60	-6.72	-7.93	-9.16	-10.34	-11.40	-12.29	-13.02	-13.65	-14.19	-14.70	-15.21	-15.75	-16.38	-17.11	-18.00	-19.08	-20.38	-21.95	-23.82
41.0	-16.40	-16.58	-16.31	-15.72	-14.97	-14.20	-13.52	-12.93	-12.41	-11.95	-11.50	-11.05	-10.59	-10.07	-9.48	-8.80	-8.00	-7.06	-5.95	-4.65
41.5	-11.10	-9.98	-8.64	-7.28	-6.09	-5.30	-5.05	-5.27	-5.85	-6.66	-7.60	-8.54	-9.35	-9.93	-10.15	-9.90	-9.05	-7.49	-5.10	-1.76
42.0	-15.00	-14.80	-13.93	-12.57	-10.92	-9.20	-7.56	-6.01	-4.53	-3.11	-1.70	-0.29	1.13	2.61	4.16	5.80	7.56	9.46	11.53	13.79
42.5	-20.50	-20.87	-20.40	-19.43	-18.31	-17.40	-16.97	-16.99	-17.34	-17.91	-18.60	-19.29	-19.86	-20.21	-20.23	-19.80	-18.81	-17.15	-14.71	-11.38
43.0	-10.80	-11.26	-12.23	-13.39	-14.45	-15.10	-15.10	-14.53	-13.53	-12.24	-10.80	-9.36	-8.07	-7.07	-6.50	-6.50	-7.22	-8.81	-11.40	-15.14
43.5	-12.70	-13.63	-14.80	-15.97	-16.88	-17.30	-17.04	-16.17	-14.86	-13.26	-11.50	-9.74	-8.14	-6.83	-5.96	-5.70	-6.18	-7.56	-9.98	-13.60
44.0	-8.60	-9.69	-10.94	-12.11	-12.97	-13.30	-12.92	-11.93	-10.47	-8.71	-6.80	-4.89	-3.13	-1.67	-0.68	-0.30	-0.69	-2.00	-4.38	-8.00
44.5	-7.60	-5.46	-3.98	-3.16	-3.00	-3.50	-4.63	-6.29	-8.34	-10.65	-13.10	-15.55	-17.86	-19.91	-21.57	-22.70	-23.17	-22.86	-21.63	-19.34
45.0	-8.00	-7.95	-8.48	-9.31	-10.17	-10.80	-10.99	-10.77	-10.25	-9.52	-8.70	-7.88	-7.15	-6.63	-6.41	-6.60	-7.29	-8.59	-10.59	-13.41
45.5	-17.40	-16.73	-15.12	-12.94	-10.60	-8.50	-6.94	-5.89	-5.22	-4.79	-4.50	-4.21	-3.78	-3.11	-2.06	-50	1.69	4.64	8.47	13.31
46.0	-8.70	-8.12	-7.59	-7.14	-7.02	-7.40	-8.32	-10.01	-12.01	-14.28	-16.70	-19.12	-21.39	-23.39	-24.98	-26.00	-26.33	-25.82	-24.34	-21.74
46.5	-9.60	-10.05	-10.42	-10.79	-11.19	-11.30	-12.35	-13.13	-14.00	-14.93	-15.90	-16.87	-17.80	-18.67	-19.45	-20.10	-20.59	-20.90	-20.98	-20.81
47.0	-11.30	-12.30	-13.04	-13.46	-13.47	-13.00	-12.01	-10.57	-8.80	-6.80	-4.70	-2.60	-0.60	1.17	2.61	3.60	4.04	3.81	2.81	91
47.5	-11.40	-11.82	-11.84	-11.59	-11.14	-10.60	-10.05	-9.51	-8.97	-8.43	-7.90	-7.37	-6.83	-6.29	-5.75	-5.20	-4.64	-4.08	-3.51	292
48.0	-8.00	-7.42	-6.60	-5.72	-4.99	-4.60	-4.69	-5.19	-6.02	-7.06	-8.20	-9.34	-10.38	-11.21	-11.71	-11.80	-11.36	-10.28	-8.46	5.79
48.5	-5.00	-6.35	-9.17	-12.57	-15.65	-17.50	-17.46	-15.73	-12.72	-8.87	-4.60	-3.33	-3.52	-6.53	8.26	8.30	6.23	1.61	-5.96	16.93
49.0	-7.40	-9.92	-13.74	-17.99	-21.77	-24.20	-24.61	-23.23	-20.50	-16.87	-12.80	-8.73	-5.10	-2.37	-0.99	-1.40	-4.05	-9.39	-17.87	29.93
49.5	-3.80	-3.25	-2.77	-2.54	-2.72	-3.50	-4.99	-7.08	-9.63	-12.49	-15.50	-18.51	-21.37	-23.92	-26.01	-27.50	-28.22	-28.03	-26.77	24.29
50.0	-8.80	-9.03	-10.49	-12.49	-14.33	-15.30	-14.88	-13.20	-10.59	-7.35	-3.80	-2.5	-2.99	-5.60	7.28	7.70	6.56	3.54	-1.67	9.38
50.5	-6.10	-4.84	-3.99	-3.49	-3.24	-3.20	-3.29	-3.48	-3.74	-4.06	-4.40	-4.74	-5.06	-5.32	-5.51	-5.60	-5.56	-5.38	-5.01	-4.45
51.0	-11.60	-11.05	-9.90	-8.52	-7.27	-6.50	-6.50	-7.18	-8.37	-9.90	-11.60	-13.30	-14.83	-16.02	-16.70	-16.70	-15.85	-13.97	-10.90	-6.46
51.5	-8.90	-10.29	-12.09	-13.88	-15.29	-15.90	-15.43	-14.00	-11.87	-9.25	-6.40	-3.55	-0.93	1.20	2.63	3.10	2.38	24	-3.58	-9.29
52.0	-8.50	-7.57	-6.55	-5.68	-5.19	-5.30	-6.19	-7.75	-9.82	-12.23	-14.80	-17.37	-19.78	-21.85	-23.41	-24.30	-24.35	-23.39	-21.25	-17.76
52.5	-12.70	-13.01	-13.08	-12.93	-12.57	-12.00	-11.24	-10.32	-9.28	-8.16	-7.00	-5.84	-4.72	-3.68	-2.76	-2.00	-1.43	-1.11	-1.06	1.32
53.0	-6.50	-6.56	-6.07	-5.31	-4.57	-4.10	-4.13	-4.61	-5.42	-6.45	-7.60	-8.75	-9.78	-10.59	-11.07	-11.10	-10.57	-9.37	-7.38	4.50
53.5	-10.30	-10.28	-9.89	-9.26	-8.55	-7.90	-7.43	-7.13	-6.95	-6.85	-6.80	-6.75	-6.65	-6.47	-6.17	-5.70	-5.02	-4.09	-2.86	-1.30
54.0	-6.40	-6.83	-7.42	-8.01	-8.46	-8.60	-8.33	-7.69	-6.78	-5.69	-4.50	-3.31	-2.22	-1.31	-0.67	-0.40	-0.58	-1.32	-2.69	-4.79
54.5	-11.80	-11.37	-10.23	-8.78	-7.47	-6.70	-6.80	-7.67	-9.12	-10.97	-13.00	-15.03	-16.88	-18.33	-19.20	-19.30	-18.43	-16.40	-13.01	-8.07
55.0	-7.90	-7.91	-7.65	-7.11	-6.29	-5.20	-3.85	-2.28	-54	1.30	3.20	5.10	6.94	8.68	10.25	11.60	12.68	13.44	13.81	13.75
55.5	-5.80	-4.22	-3.09	-2.43	-2.26	-2.60	-3.46	-4.74	-6.35	-8.17	-10.10	-12.03	-13.85	-15.46	-16.74	-17.60	-17.92	-17.60	16.53	14.60
56.0	-7.70	-7.14	-6.49	-5.87	-5.40	-5.20	-5.37	-5.85	-6.57	-7.44	-8.40	-9.36	-10.23	-10.95	-11.43	-11.60	-11.37	-10.67	9.41	-7.52
56.5	-11.10	-9.67	-8.22	-6.87	-5.78	-5.10	-4.92	-5.18	-5.77	-6.58	-7.50	-8.42	-9.23	-9.82	-10.08	-9.90	-9.17	-7.79	5.64	2.61

ASPECT
ANGLE

BISTATIC ANGLE

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
57.0	-7.0	-1.16	-2.00	-3.13	-4.40	-5.70	-6.93	-8.09	9.19	-10.25	11.30	-12.35	13.41	-14.51	15.67	-16.90	-18.22	-19.66	21.23	-22.94
57.5	-6.10	-4.82	-3.46	-2.19	-1.15	-0.50	-0.36	-0.66	1.29	2.14	3.10	4.06	-4.91	-5.54	-5.84	-5.70	-5.01	-3.66	-1.54	1.47
58.0	-2.20	-2.93	-4.26	-5.92	-7.62	-9.10	-10.13	-10.75	11.07	-11.19	11.20	-11.21	-11.33	-11.65	-12.27	-13.30	-14.84	-16.99	-19.86	23.53
58.5	-2.30	-3.20	-5.16	-7.64	-10.09	-12.00	-12.94	-13.02	12.44	-11.43	10.20	-8.97	-7.96	-7.38	-7.46	-8.40	-10.43	-13.77	-18.63	-25.22
59.0	-5.60	-6.15	-7.40	-8.93	-10.37	-11.30	-11.43	10.85	9.73	8.26	6.60	4.94	-3.47	-2.35	-1.77	-1.90	-2.93	-5.04	8.39	13.19
59.5	-10.41	-10.41	-10.44	-10.41	-10.25	-9.90	-9.30	-8.49	-7.51	6.43	5.30	4.17	-3.09	-2.11	-1.30	-0.70	-0.37	-0.36	-0.72	1.52
60.0	-7.40	-6.56	-5.48	-4.37	-3.47	-3.00	-3.12	-3.76	-4.79	-6.08	-7.50	-8.92	-10.21	-11.24	-11.88	-12.00	-11.47	-10.16	-7.93	4.67
60.5	-6.40	-7.42	-8.01	-8.32	-8.50	8.70	-9.05	-9.54	-10.13	-10.80	-11.50	12.20	-12.87	-13.46	-13.95	-14.30	-14.47	-14.43	-14.14	-13.57
61.0	7.60	-8.12	-9.13	-10.28	-11.19	11.50	10.93	-9.58	7.64	5.32	-2.80	-2.8	2.04	3.98	5.33	5.90	5.50	3.93	1.00	-3.49
61.5	-10.10	-10.30	-9.83	-9.00	-8.14	-7.60	-7.62	-8.14	9.05	-10.21	-11.50	-12.79	-13.95	-14.86	-15.38	-15.40	-14.78	-13.39	-11.12	-7.82
62.0	-10.60	-10.73	-10.92	-11.07	-11.10	10.90	-10.41	-9.65	8.71	-7.64	-6.50	-5.36	-4.29	-3.35	-2.59	-2.10	-1.93	-2.14	-2.81	-3.98
62.5	-1.30	-0.92	-0.56	-0.31	-0.26	-0.50	-1.09	1.98	-3.09	-4.36	-5.70	-7.04	8.31	9.42	-10.31	-10.90	-11.11	-10.87	-10.11	8.74
63.0	4.70	-5.81	-7.60	-9.63	-11.51	12.80	-13.20	-12.80	-11.80	-10.40	8.80	-7.20	-5.80	-4.80	-4.40	-4.80	6.20	8.79	-12.78	18.37
63.5	13.70	-13.96	-13.18	11.71	-9.90	8.10	-6.60	5.39	4.41	3.57	2.80	2.03	1.19	-0.21	1.00	2.50	4.37	6.68	9.50	12.91
64.0	8.50	-8.99	-9.17	9.08	8.74	8.20	7.48	-6.61	5.63	4.58	3.50	2.42	1.37	0.39	0.48	1.20	1.74	2.07	2.14	1.93
64.5	-17.80	-16.45	-13.65	10.08	6.44	3.40	-1.50	-0.64	5.6	1.00	1.70	2.40	-2.84	2.76	-1.90	0.0	3.19	7.95	14.52	23.16
65.0	9.50	-10.04	-10.54	10.81	10.66	9.90	8.41	6.29	3.69	1.77	2.40	5.37	8.29	10.89	13.01	14.50	15.20	14.95	13.59	10.97
65.5	5.60	5.19	-4.73	4.27	3.85	3.60	3.48	-3.49	3.60	3.78	-1.00	-1.22	-4.40	-4.51	-4.52	4.40	4.11	3.61	2.88	1.87
66.0	11.80	11.35	10.23	8.77	7.18	5.70	4.49	-3.54	2.39	2.16	-1.60	-1.04	-0.41	-0.34	1.29	2.50	4.03	5.95	8.32	11.21
66.5	13.60	11.78	-8.82	5.45	2.40	4.0	0.1	1.00	3.08	-5.86	9.00	12.14	14.92	17.00	18.01	-17.60	-15.42	11.11	4.32	5.31
67.0	3.50	-1.04	1.09	2.68	3.52	4.40	2.17	0.0	2.87	6.22	-9.80	13.38	16.73	-19.60	21.77	-23.00	-23.05	21.68	18.67	13.77
67.5	9.70	8.83	8.00	7.25	6.60	6.10	5.77	5.57	5.49	5.48	5.50	5.52	5.51	5.43	5.23	-4.90	-4.39	3.66	2.68	1.41
68.0	-1.40	-1.11	-0.87	1.2	3.2	1.30	2.27	3.66	5.46	7.28	9.40	-11.32	13.24	14.94	16.33	-17.40	17.4	17.54	16.61	14.83
68.5	-1.80	-1.08	-0.36	2.3	5.6	5.0	0.4	0.99	2.25	-3.73	5.40	-6.87	8.35	-9.61	10.56	-11.10	-11.12	10.52	9.19	7.03
69.0	2.20	-1.37	-0.58	0.5	3.9	3.0	-3.1	1.37	2.76	4.37	-6.10	7.83	-9.44	10.83	-11.89	-12.55	-12.55	-11.93	10.52	8.22
69.5	3.40	1.27	-1.90	-5.46	-8.77	11.20	12.25	-12.09	-11.00	-9.30	-7.30	-5.30	-3.60	-2.51	-2.35	-3.40	-5.98	-10.40	-16.96	25.96
70.0	-5.40	-7.48	-10.01	-12.42	-14.11	-14.50	-13.15	10.29	6.29	-1.54	3.60	8.74	13.49	17.49	20.35	21.70	21.15	18.33	12.86	4.35
70.5	-2.70	-3.49	-4.44	-5.32	-5.92	6.09	-5.40	-4.19	-2.54	-0.60	1.50	3.60	5.54	7.19	8.40	9.00	8.86	7.82	5.74	2.46
71.0	-4.0	-6.1	-4.9	-1.5	-3.2	-8.0	-1.21	-1.55	-1.83	2.07	2.30	2.53	2.77	3.05	-3.39	-3.80	-4.30	4.91	-5.65	6.53
71.5	-1.0	-0.87	-2.85	-5.20	-7.27	-8.40	-8.12	-6.57	4.07	-0.94	2.50	5.94	9.07	11.57	13.12	13.40	12.10	8.91	3.51	4.42
72.0	-11.10	-9.82	-7.52	-4.70	-1.89	-4.0	1.78	2.33	2.27	1.79	1.10	0.41	-0.7	-1.3	0.42	1.80	4.21	7.87	12.97	19.72
72.5	-9.20	-8.80	-7.92	-6.69	-5.24	-3.70	-2.17	-0.68	0.79	2.25	3.70	5.15	6.61	8.08	9.57	11.10	12.67	14.28	15.94	17.67
73.0	-3.50	-3.32	-3.01	-2.58	-1.94	-1.00	0.31	1.93	3.79	5.80	7.90	10.00	12.01	13.87	15.49	16.80	17.71	18.15	18.04	17.29
73.5	-2.90	-1.71	-0.54	-0.44	1.08	1.20	0.70	-0.33	-1.76	-3.46	-5.30	-7.14	-8.84	-10.27	-11.30	-11.80	-11.63	-10.65	-8.73	-5.74
74.0	-4.00	-3.78	-3.73	-3.72	-3.59	-3.20	-2.44	-1.37	-0.5	1.44	3.00	4.56	6.05	7.37	8.44	9.20	9.55	9.42	8.72	7.38
74.5	5.00	5.55	5.10	4.13	3.14	2.60	2.89	3.93	5.54	7.53	9.70	11.87	13.86	15.47	16.51	16.80	16.15	14.37	11.27	6.66
75.0	2.00	3.19	3.97	4.46	4.77	5.00	5.25	5.85	6.17	6.50	6.83	7.15	7.46	7.75	7.95	8.00	8.21	8.38	8.49	8.54
75.5	-3.30	-4.06	-4.45	-4.32	-3.52	-1.90	0.63	3.95	7.84	12.12	16.60	21.08	25.36	29.25	32.57	35.10	36.66	37.06	36.10	33.59
76.0	2.70	3.12	3.83	4.66	5.46	6.10	6.45	6.54	6.43	6.20	5.90	5.60	5.37	5.26	5.35	5.70	6.37	7.43	8.94	10.97
76.5	-3.40	-1.4	3.93	8.09	11.59	13.70	13.89	12.37	9.59	5.96	1.90	-2.16	-5.79	-8.57	-10.09	-9.90	-7.59	2.74	5.08	16.30
77.0	0.50	2.80	4.73	6.32	7.63	8.70	9.58	10.32	10.94	11.49	12.00	12.51	13.06	13.68	14.42	15.30	16.37	17.67	19.22	21.08
77.5	6.30	8.44	10.62	12.49	13.73	14.00	13.05	11.06	8.28	4.97	1.40	-2.17	-5.48	-8.26	-10.25	-11.20	-10.83	8.89	-5.12	7.6
78.0	-1.90	-6.2	1.00	2.71	4.23	5.30	5.73	5.60	5.03	4.19	3.20	2.21	1.37	0.80	0.67	1.10	2.24	4.23	7.22	11.34

ASPECT

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
78.5	5.08	3.96	2.54	1.25	.50	.60	1.46	2.89	4.70	6.70	8.70	10.51	11.94	12.80	12.90	12.05	10.05	6.72	1.87
79.0	5.99	8.40	10.28	11.30	11.10	9.45	6.55	2.72	-1.73	-6.50	-11.27	-15.72	-19.55	-22.45	-24.10	-24.19	-22.41	-18.45	-11.99
79.5	7.06	8.37	9.61	10.36	10.20	8.82	6.37	3.13	-1.65	-4.70	-8.75	-12.53	-15.77	-18.22	-19.60	-19.65	-18.09	-14.67	-9.11
80.0	12.70	9.67	5.56	1.25	-2.40	-4.71	-5.81	5.98	-5.54	-4.80	-4.06	-3.62	-3.79	-4.89	-7.20	-11.04	-16.72	-24.54	34.81
80.5	9.40	9.49	8.71	7.70	6.70	5.91	5.33	4.90	4.57	4.30	4.03	3.70	3.27	2.69	1.90	.85	-.50	-2.22	4.35
81.0	6.80	5.92	4.75	3.46	2.25	1.30	.76	.67	.94	1.30	1.66	1.93	2.02	1.84	1.30	.31	-1.23	-3.40	6.28
81.5	9.70	7.29	2.95	-2.16	-6.86	-10.00	-9.21	-6.08	-1.86	2.90	7.66	11.88	15.01	16.50	15.80	12.38	5.68	-4.85	-19.74
82.0	3.80	2.86	1.54	.03	-2.90	4.02	-4.88	-5.56	-6.11	-6.60	-7.09	-7.64	-8.32	-9.18	-10.30	-11.73	-13.55	-15.80	18.56
82.5	-1.70	-1.69	.97	2.40	3.10	2.60	1.01	-1.37	-4.30	-7.50	-10.70	-13.62	-16.01	-17.60	-18.19	-17.26	-14.80	-10.46	-3.96
83.0	4.50	3.90	3.82	3.41	2.30	.23	-2.69	6.24	-10.21	-14.40	-18.59	-22.56	-26.11	-29.03	-31.10	-32.11	-31.85	-30.11	-26.68
83.5	-6.30	-3.29	.04	3.06	4.60	3.79	.88	3.60	9.14	-15.20	-21.26	-26.80	-31.28	-34.19	-35.00	-33.18	-28.20	-19.55	-6.69
84.0	1.60	.37	-2.12	-3.37	-4.60	-5.81	-7.00	-8.17	9.34	-10.50	-11.66	-12.83	-14.00	-15.19	-16.40	-17.63	-18.90	-20.20	21.53
84.5	4.50	4.13	1.32	-.54	-2.30	-3.73	-4.85	-5.73	-6.45	7.10	-7.75	-8.47	-9.35	-10.47	-11.90	-13.72	-16.02	-18.86	22.34
85.0	3.30	1.16	-2.24	9.95	12.80	14.19	-14.26	-13.35	11.79	-9.90	-8.01	6.45	5.54	-5.61	-7.00	-10.02	-15.01	-22.30	32.20
85.5	2.70	-.46	-6.72	-10.69	17.10	17.66	-16.22	-13.28	9.34	4.90	-.46	3.48	6.42	7.86	7.30	4.23	-1.84	-11.41	24.99
86.0	.40	2.82	16.39	17.36	17.00	16.37	14.60	12.12	9.40	6.48	4.00	2.23	1.51	2.20	-4.64	-9.19	16.19	16.19	26.09
86.5	.00	-.98	2.15	3.40	4.65	5.80	6.79	7.62	8.34	8.99	9.60	10.21	10.86	-11.58	-12.41	13.40	14.57	15.97	17.64
87.0	14.00	-14.25	-15.27	16.39	17.36	15.90	13.32	9.84	5.77	1.40	2.97	7.04	10.52	13.10	14.50	14.41	12.54	8.59	2.27
87.5	-10.30	-8.37	5.77	3.06	.79	.39	.96	3.22	6.11	9.40	12.49	15.38	17.65	18.99	-19.10	17.67	-14.39	8.96	1.06
88.0	-15.50	-17.09	17.21	16.23	14.56	12.60	8.80	7.00	5.24	3.50	1.76	.00	1.80	3.66	5.60	7.63	9.78	12.07	14.51
88.5	18.80	16.97	13.48	9.40	5.75	3.60	5.87	9.53	14.21	19.40	24.59	29.27	32.93	35.08	-35.20	32.79	-27.33	18.33	5.28
89.0	10.50	8.84	6.54	4.10	2.02	.80	1.93	3.87	6.35	9.10	11.55	14.33	16.27	-17.38	17.40	-16.05	13.07	8.17	1.07
89.5	18.10	-19.38	-19.52	18.81	17.54	16.00	14.42	12.86	11.40	9.75	8.20	6.65	5.10	3.54	1.98	4.0	2.80	4.43	6.09
90.0	8.70	-8.37	-7.99	-7.63	-7.35	-7.20	7.23	7.41	8.09	8.50	8.91	9.29	9.59	-9.77	-9.80	9.63	9.24	8.57	-7.59
90.5	11.10	-13.11	-14.86	-16.17	-16.80	-15.84	14.12	11.83	9.16	6.30	3.44	.77	1.52	3.24	4.20	4.21	3.09	.64	3.33
91.0	-2.50	-3.40	-5.53	-8.22	-10.80	-12.60	13.11	12.45	8.80	6.40	-4.00	1.88	-.35	3.1	-.20	-2.16	-5.87	-11.61	19.68
91.5	3.40	-3.91	-4.86	-5.99	-7.02	-7.70	7.42	6.66	5.64	4.50	3.36	2.34	-1.58	-1.19	1.30	2.04	-3.54	-5.91	-9.29
92.0	-3.00	-6.16	-10.48	-15.10	-19.13	-21.70	-20.75	-17.95	14.21	-10.00	-5.79	2.05	.75	2.16	1.70	-1.10	-6.69	-15.56	28.15
92.5	-3.60	-2.90	-2.55	-2.53	-2.82	-3.40	-5.29	-6.51	-7.83	9.20	-10.57	-11.89	-13.11	-14.16	-15.00	-15.57	-15.83	-15.71	-15.16
93.0	-3.60	-4.53	-5.82	-7.20	-8.38	-9.14	-8.58	-7.57	-6.26	-4.80	-3.34	-2.03	-1.02	-.46	-.50	-1.29	-2.97	-5.70	-9.63
93.5	-3.80	-4.13	-4.65	-5.37	-6.31	-7.50	-8.94	-10.60	-14.33	-16.30	-18.27	-20.19	-22.00	-23.66	-25.10	-26.28	-27.13	-27.62	-27.68
94.0	-13.00	-13.73	-12.90	-11.11	-8.94	-7.00	-5.75	-5.17	-5.30	-5.70	-6.10	-6.33	-6.24	-5.65	4.40	2.33	.72	4.93	10.45
94.5	-13.00	-13.58	-13.65	-13.34	-12.81	-12.20	-11.62	-11.10	-10.15	-9.70	-9.25	-8.79	-8.30	-7.78	-7.20	-6.56	-5.85	-5.04	-4.14
95.0	-5.30	-4.38	-3.36	-2.40	-1.68	-1.40	-1.67	-2.43	-4.91	-6.40	-7.89	-9.25	-10.37	-11.13	-11.40	-11.07	-10.00	-8.09	-5.21
95.5	-6.80	-7.97	-9.79	-11.96	-14.16	-16.10	-17.54	-18.53	-19.59	-19.90	-20.21	-20.63	-21.27	-22.26	-23.70	-25.71	-28.40	-31.88	36.28
96.0	-13.00	-12.04	-10.35	-8.35	-6.46	-5.10	-4.57	-4.80	-6.75	-8.10	-9.45	-10.61	-11.40	-11.63	-11.10	-9.63	-7.04	-3.14	2.27
96.5	-14.70	-15.48	-15.15	-14.03	-12.44	-10.70	-9.06	-7.56	-6.15	-4.81	-3.50	-2.19	-.85	.56	2.06	3.70	5.50	7.50	12.22
97.0	-3.60	-3.44	-4.54	-6.48	-8.81	-11.10	-13.00	-14.51	-16.76	-17.70	-18.64	-19.67	-20.89	-22.40	-24.30	-26.68	-29.63	-33.26	37.47
97.5	-18.80	-18.48	-17.26	-15.52	-13.64	-12.00	-10.90	-10.29	-10.06	-10.20	-10.34	-10.35	-10.11	-9.50	-8.40	-6.67	-4.20	-.86	3.47
98.0	-5.30	-7.13	-9.58	-12.16	-14.37	-15.70	-15.79	-14.78	-12.94	-10.56	-7.90	-5.24	-2.86	-1.02	-.01	-1.0	-1.56	-4.67	16.93
98.5	-13.70	-13.07	-12.23	-11.37	-10.70	-10.62	-11.29	-12.30	-13.55	-14.90	-16.25	-17.50	-18.51	-19.18	-19.40	-19.05	-18.02	16.19	13.45
99.0	-6.60	-7.76	-9.19	-10.62	-11.78	-12.40	-11.50	-10.24	-8.65	-6.90	-5.15	-3.56	-2.30	-1.52	-1.40	-2.09	-3.76	6.56	10.67
99.5	-9.50	-9.56	-9.33	-9.15	-9.00	-8.92	-8.91	-8.94	-9.01	-9.10	-9.19	-9.26	-9.29	-9.28	-9.20	-9.04	-8.78	-8.40	7.90

ASPECT

BISTATIC ANGLE

ANGLE	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
100.0	-8.90	-9.64	-9.24	-8.14	-6.79	-5.60	-4.93	-4.75	-4.93	5.35	-5.90	-6.45	-6.87	-7.05	-6.87	-6.20	-4.92	-2.91	-0.05	3.78
100.5	-15.70	-16.52	-16.68	-16.40	-15.93	-15.50	-15.29	-15.30	-15.48	-15.76	-16.10	-16.44	-16.72	-16.90	-16.91	-16.70	-16.22	-15.41	-14.22	-12.60
101.0	-15.00	-15.62	-15.83	-15.69	-15.26	-14.60	-13.76	-12.79	-11.72	-10.58	-9.40	-8.22	-7.08	-6.01	-5.04	-4.20	-3.54	-3.08	-2.85	-2.91
101.5	-5.20	-5.60	-6.05	-6.71	-7.74	-9.30	-11.51	-14.27	-17.45	-20.90	-24.50	-28.10	-31.55	-34.73	-37.49	-39.70	-41.21	-41.89	-41.60	-40.20
102.0	-5.60	-6.27	-6.86	-7.40	-7.94	-8.50	-9.12	-9.80	-10.51	-11.25	-12.00	-12.75	-13.49	-14.20	-14.88	-15.50	-16.06	-16.53	-16.92	-17.20
102.5	-14.00	-13.54	-12.68	-11.68	-10.76	-10.20	-10.17	-10.61	-11.41	-12.45	-13.60	-14.75	-15.79	-16.59	-17.03	-17.00	-16.37	-15.04	-12.87	-9.75
103.0	-6.90	-7.16	-7.71	-8.44	-9.21	-9.90	-10.41	-10.75	-10.97	-11.11	-11.20	-11.29	-11.43	-11.65	-11.99	-12.50	-13.22	-14.18	-15.44	-17.03
103.5	-12.60	-12.07	-12.26	-12.89	-13.70	-14.40	-14.79	-14.88	-14.74	-14.46	-14.10	-13.74	-13.46	-13.32	-13.41	-13.80	-14.56	-15.77	-17.51	-19.84
104.0	-6.40	-7.05	-7.62	-8.17	-8.74	-9.20	-9.66	-10.13	-10.67	-11.24	-11.80	-12.30	-12.73	-13.27	-13.80	-14.30	-14.73	-15.09	-15.39	-15.64
104.5	-7.20	-7.41	-7.36	-7.24	-7.22	-7.50	-8.21	-9.30	-10.67	-12.24	-13.90	-15.56	-17.13	-18.50	-19.59	-20.30	-20.53	-20.19	-19.18	-17.41
105.0	-5.30	-6.47	-8.50	-10.90	-13.19	-14.90	-15.66	-15.56	-14.83	-13.67	-12.30	-10.93	-9.77	-8.04	-6.34	-4.70	-3.10	-1.52	-0.22	-25.51
105.5	-11.10	-12.72	-14.04	-14.96	-15.38	-15.20	-14.35	-12.93	-11.09	-8.97	-6.70	-4.43	-2.31	-0.47	0.95	1.80	1.94	1.23	-0.47	3.30
106.0	-6.00	-5.43	-5.39	-5.74	-6.35	-7.10	-7.86	-8.63	-9.38	-10.14	-10.90	-11.66	-12.42	-13.17	-13.94	-14.70	-15.47	-16.24	-17.02	17.80
106.5	-5.10	-5.48	-6.24	-7.20	-8.17	-9.00	-9.54	-9.81	-9.88	-9.82	-9.70	-9.58	-9.52	-9.59	-9.86	-10.40	-11.27	-12.53	-14.25	16.50
107.0	-12.70	-12.83	-11.82	-10.17	-8.36	-6.90	-6.16	-6.09	-6.51	-7.27	-8.20	-9.13	-9.89	-10.31	-10.24	-9.50	-7.93	-5.36	1.62	3.45
107.5	5.90	-6.14	-6.72	-7.48	-8.23	-8.80	-9.05	-9.02	-8.76	-8.37	-7.90	-7.43	-7.04	-6.78	-6.75	-7.00	-7.61	-8.65	10.20	12.32
108.0	8.80	-7.79	-5.97	-3.91	-2.22	-1.50	-2.19	-4.12	-6.90	-10.49	-14.30	-18.11	-21.61	-24.48	-26.41	-27.10	-26.23	-23.48	-18.55	11.12
108.5	3.50	-3.18	-4.13	-5.81	-7.72	-9.30	-10.15	-10.33	-10.00	-9.34	-8.50	-7.66	-7.00	-6.67	-6.84	-7.70	-9.40	-12.12	-16.02	41.23
109.0	-1.90	-1.13	-1.21	-2.04	-3.53	-5.60	-8.14	-11.07	-14.29	-17.70	-21.20	-24.70	-28.11	-31.33	-34.26	-36.80	-38.87	-40.36	-41.17	41.23
109.5	-3.00	-2.71	-3.19	-4.30	-5.92	-7.90	-10.14	-12.53	-15.08	-17.72	-20.40	-23.08	-25.72	-28.27	-30.67	-32.90	-34.90	-36.62	-38.02	30.08
110.0	-3.90	-4.06	-5.07	-6.65	-8.52	-10.40	-12.07	-13.51	-14.80	-15.98	-17.10	-18.22	-19.40	-20.69	-22.13	-23.80	-25.74	-28.00	-30.65	33.72
110.5	10.10	-8.85	-7.54	-6.45	-5.88	-6.10	-7.32	-9.41	-12.14	-15.31	-18.70	-22.09	-25.26	-27.99	-30.08	-31.30	-31.44	-30.28	-27.60	24.19
111.0	4.80	-5.34	-6.63	-8.46	-10.59	-12.80	-14.90	-16.88	-18.77	-20.60	-22.40	-24.20	-26.03	-27.92	-29.90	-32.00	-34.25	-36.68	-39.34	42.21
111.5	4.70	-7.16	-10.37	-13.71	-16.59	-18.40	-19.37	-19.61	-18.54	-12.79	-9.70	-6.61	-3.86	-1.79	-0.72	1.00	2.96	-6.95	-13.29	22.32
112.0	14.30	-13.02	-12.13	-11.56	-11.24	-11.10	-11.07	-11.13	-11.25	-11.42	-11.60	-11.78	-11.95	-12.07	-12.13	-12.10	-11.97	-11.71	-11.41	10.73
112.5	1.00	-7.79	-2.02	-4.11	-6.43	-8.40	-9.54	-9.90	-9.69	-9.09	-8.30	-7.51	-6.91	-6.70	-7.06	-8.20	-10.30	-13.56	-18.16	24.11
113.0	8.40	-8.71	-9.72	-11.10	-12.50	-13.60	-14.13	-14.15	-13.78	-13.15	-12.40	-11.65	-11.02	-10.65	-10.67	-11.20	-12.37	-14.32	-17.17	21.04
113.5	-9.30	-10.18	-10.83	-11.31	-11.71	-12.10	-12.54	-13.03	-13.57	-14.13	-14.70	-15.27	-15.83	-16.37	-16.86	-17.30	-17.67	-17.97	-18.17	18.26
114.0	-14.40	-13.11	-11.54	-9.94	-8.58	-7.70	-7.50	-7.90	-8.75	-9.90	-11.20	-12.50	-13.65	-14.50	-14.90	-14.70	-13.76	-11.91	-9.03	4.94
114.5	-5.10	-6.12	-8.81	-12.22	-15.40	-17.40	-17.49	-15.86	-12.95	-9.19	-5.00	-0.81	2.95	5.86	7.49	7.40	5.17	3.8	-7.40	18.61
115.0	-6.60	-7.75	-10.06	-12.95	-15.83	-18.10	-19.31	-19.57	-19.11	-18.18	-17.00	-15.82	-14.89	-14.43	-14.69	-15.90	-18.31	-22.15	-27.67	-35.10
115.5	-14.70	-15.90	-16.51	-16.68	-16.59	-16.40	-16.24	-16.14	-16.07	-16.03	-16.00	-15.97	-15.93	-15.86	-15.76	-15.60	-15.38	-15.08	-14.70	-14.21
116.0	-8.70	-9.08	-9.36	-9.65	-10.06	-10.70	-11.64	-12.85	-14.25	-15.79	-17.40	-19.01	-20.55	-21.95	-23.16	-24.10	-24.71	-24.92	-24.66	-23.88
116.5	-10.50	-11.45	-12.46	-13.40	-14.16	-14.60	-14.63	-14.31	-13.72	-12.95	-12.10	-11.25	-10.48	-9.89	-9.57	-9.60	-10.08	-11.08	-12.71	-15.05
117.0	-16.70	-18.05	-19.16	-19.97	-20.40	-20.40	-19.92	-19.04	-17.86	-16.48	-15.00	-13.52	-12.51	-10.96	-10.08	-9.60	-9.63	-10.25	-11.59	-13.72
117.5	-18.10	-18.86	-18.76	-17.95	-16.61	-14.90	-12.96	-10.87	-8.65	-6.34	-4.00	-1.66	0.65	2.87	4.96	6.90	8.63	10.12	11.32	12.19
118.0	-19.80	-21.03	-21.52	-21.36	-20.63	-19.40	-17.76	-15.78	-13.56	-11.17	-8.70	-6.23	-3.64	-1.62	0.36	2.00	3.23	3.96	4.10	3.59
118.5	-17.70	-19.23	-19.49	-18.91	-17.91	-16.90	-16.23	-15.90	-15.83	-15.92	-16.10	-16.28	-16.37	-16.30	-15.97	-15.30	-14.21	-12.61	-10.42	7.56
119.0	-10.70	-9.40	-7.97	-6.61	-5.49	-4.80	-4.68	-5.05	-5.80	-6.79	-7.90	-9.01	-10.00	-10.75	-11.12	-11.00	-10.26	-8.78	-6.43	3.10
119.5	-13.90	-13.87	-13.39	-12.74	-12.21	-12.10	-12.63	-13.72	-15.25	-17.05	-19.00	-20.95	-22.75	-24.28	-25.37	-25.90	-25.72	-24.68	-22.66	-19.49
120.0	-6.50	-8.31	-10.08	-11.63	-12.76	-13.30	-13.11	-12.28	-10.98	-9.37	-7.60	-5.83	-4.22	-2.92	-2.09	-1.90	-2.49	-4.03	-6.68	-10.58
120.5	-6.10	-7.31	-8.44	-9.47	-10.42	-11.30	-12.11	-12.85	-13.56	-14.24	-14.90	-15.56	-16.24	-16.95	-17.69	-18.50	-19.38	-20.34	-21.41	-25.50
121.0	-7.30	-9.29	-11.11	-12.71	-14.05	-15.10	-15.83	-16.28	-16.53	-16.65	-16.70	-16.75	-16.87	-17.12	-17.57	-18.30	-19.37	-20.84	-22.79	-28.28

ASPECT
ANGLE

DYNAMIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
121.5	-11.30	-13.24	-16.20	-17.24	-18.00	-18.51	-18.82	-18.96	-19.01	-19.00	-18.99	-19.04	-19.19	-19.49	-20.00	-20.77	-21.85	-23.30	-25.16
122.0	-8.50	-10.16	-14.07	-15.91	-17.40	-18.40	-18.96	-19.19	-19.20	-19.10	-19.00	-19.01	-19.24	-19.80	-20.80	-22.34	-24.54	-27.51	-31.35
122.5	-5.90	-8.52	-11.73	-15.03	-17.92	-20.61	-20.19	-18.93	-17.10	-15.00	-12.90	-11.07	-9.81	-9.39	-10.10	-12.21	-16.01	-21.78	-29.79
123.0	-11.40	-12.78	-14.23	-15.56	-16.61	-17.20	-16.72	-15.86	-14.74	-13.50	-12.26	-11.14	-10.28	-9.79	-9.80	-10.44	-11.84	-14.11	-17.25
123.5	-20.60	-22.11	-21.85	-20.43	-18.51	-16.70	-14.93	-14.81	-14.98	-15.30	-15.62	-15.79	-15.67	-15.08	-13.90	-11.96	-9.12	-5.22	-1.12
124.0	-16.40	-14.84	-12.79	-10.78	-9.34	-9.00	-10.16	-16.07	-20.17	-24.60	-29.03	-33.13	-36.58	-39.04	-40.20	-39.72	-37.28	-32.54	-25.19
124.5	-10.50	-11.54	-12.97	-14.55	-16.01	-17.10	-17.66	-17.31	-16.72	-16.00	-15.28	-14.69	-14.34	-14.37	-14.90	-16.05	-17.96	-20.73	-24.51
125.0	-6.60	-6.74	-7.31	-8.15	-9.13	-10.10	-10.96	-12.34	-12.94	-13.50	-14.06	-14.66	-15.31	-16.04	-16.90	-17.90	-19.08	-20.46	-22.07
125.5	-8.30	-9.33	-10.39	-11.54	-12.82	-14.30	-16.01	-17.91	-19.96	-22.10	-24.30	-26.50	-30.69	-32.59	-34.30	-35.76	-36.93	-37.75	-38.18
126.0	-19.90	-21.98	-23.30	-24.02	-24.30	-24.15	-23.90	-23.58	-23.20	-22.80	-22.40	-22.02	-21.70	-21.45	-21.30	-21.28	-21.40	-21.71	-22.21
126.5	-11.90	-11.97	-11.42	-10.56	-9.72	-9.20	-9.24	-10.71	-11.89	-13.20	-14.51	-15.69	-16.61	-17.16	-17.20	-16.61	-15.25	-13.01	-9.75
127.0	-15.90	-17.23	-18.18	-18.73	-18.85	-18.50	-16.48	-14.98	-13.29	-11.50	-9.71	-8.02	-6.52	-5.31	-4.50	-4.18	-4.44	-5.39	-7.12
127.5	-10.20	-11.46	-13.18	-15.14	-17.12	-18.90	-21.38	-22.19	-22.84	-23.40	-23.96	-24.61	-25.42	-26.49	-27.90	-29.73	-32.07	-34.99	-38.60
128.0	-10.30	-9.79	-10.14	-11.11	-12.45	-13.90	-15.25	-16.49	-18.73	-19.80	-20.87	-21.96	-23.11	-24.35	-25.70	-27.19	-28.86	-30.73	-32.82
128.5	-8.20	-7.94	-8.30	-9.06	-10.03	-11.00	-11.80	-12.42	-13.33	-13.70	-14.07	-14.48	-14.98	-15.60	-16.40	-17.41	-18.67	-20.23	-22.13
129.0	-6.00	-6.99	-9.30	-12.35	-15.60	-18.50	-20.61	-22.83	-23.31	-23.60	-23.89	-24.37	-25.21	-26.59	-28.70	-31.72	-35.83	-41.22	-48.05
129.5	-9.00	-10.35	-12.70	-15.59	-18.55	-21.10	-22.88	-23.95	-24.68	-24.70	-24.72	-24.91	-25.45	-26.52	-28.30	-30.96	-34.67	-39.62	-45.97
130.0	-6.80	-7.43	-8.34	-9.32	-10.15	-10.60	-10.51	-9.95	-7.88	-6.60	-5.32	-4.17	-3.25	-2.69	-2.60	-3.11	-4.33	-6.38	-9.49
130.5	-10.90	-11.93	-13.19	-14.39	-15.22	-15.40	-14.71	-13.25	-8.80	-6.20	-3.60	-1.18	-0.85	-2.31	-3.00	-2.74	-1.34	-1.40	-5.67
131.0	-14.00	-14.10	-13.38	-12.23	-11.06	-10.30	-10.25	-10.85	-13.33	-14.90	-16.47	-17.87	-18.95	-19.55	-19.50	-18.64	-16.81	-13.85	-9.60
131.5	-14.70	-14.35	-12.90	-10.96	-9.16	-8.10	-8.26	-9.51	-14.21	-17.10	-19.99	-22.61	-24.69	-25.94	-26.10	-24.89	-22.05	-17.29	-10.35
132.0	-6.40	-7.49	-9.98	-10.56	-11.90	-12.72	-12.04	-10.85	-9.31	-7.60	-5.89	-4.35	-3.16	-2.48	-2.50	-3.38	-5.29	-8.41	-12.92
132.5	-13.40	-12.45	-11.86	-11.49	-11.21	-10.90	-10.44	-9.85	-8.40	-7.60	-6.80	-6.04	-5.35	-4.76	-4.30	-4.01	-3.93	-4.09	-4.52
133.0	-6.60	-6.71	-8.22	-10.56	-13.21	-15.60	-17.32	-18.39	-19.28	-19.40	-19.52	-19.81	-20.41	-21.48	-23.20	-25.71	-29.18	-33.76	-39.62
133.5	-8.60	-8.66	-9.25	-10.09	-10.93	-11.50	-11.60	-11.27	-10.62	-9.77	-8.80	-7.83	-6.98	-6.33	-6.10	-6.73	-8.00	-10.01	-12.88
134.0	-15.10	-15.26	-14.70	-13.76	-12.79	-12.10	-11.97	-12.33	-13.08	-14.08	-15.20	-16.32	-17.32	-18.43	-18.30	-17.54	-16.02	-13.61	-10.23
134.5	-13.90	-15.26	-16.42	-17.32	-17.93	-18.20	-18.10	-17.70	-17.06	-16.27	-15.40	-14.53	-13.74	-12.70	-12.60	-12.89	-13.64	-14.94	-16.85
135.0	-12.60	-12.73	-13.19	-13.81	-14.43	-14.90	-15.09	-15.04	-14.43	-14.00	-13.57	-13.20	-12.96	-12.91	-13.10	-13.61	-14.49	-15.81	-17.62
135.5	-14.20	-13.97	-13.19	-12.18	-11.21	-10.60	-10.56	-11.04	-13.04	-14.30	-15.56	-16.69	-17.56	-18.04	-18.00	-17.32	-15.85	-13.49	-10.08
136.0	-11.50	-12.62	-12.91	-12.66	-12.19	-11.80	-11.73	-11.98	-13.09	-13.80	-14.51	-15.14	-15.62	-15.87	-15.80	-15.35	-14.43	-12.97	-10.88
136.5	-12.40	-14.38	-16.29	-18.12	-19.86	-21.50	-23.04	-24.51	-27.26	-28.60	-29.94	-31.30	-32.69	-34.16	-35.70	-37.35	-39.12	-41.04	-43.12
137.0	-13.40	-15.08	-17.16	-19.29	-21.12	-22.30	-22.57	-22.03	-20.89	-19.34	-17.60	-15.86	-14.31	-12.63	-12.90	-14.17	-16.64	-20.52	-26.01
137.5	-12.80	-13.75	-14.55	-15.26	-15.92	-16.60	-17.33	-18.10	-18.91	-19.75	-20.60	-21.45	-22.29	-23.10	-23.87	-24.60	-25.26	-25.86	-26.77
138.0	-18.80	-18.69	-17.92	-16.85	-15.88	-15.40	-15.69	-16.69	-18.20	-20.06	-22.10	-24.14	-26.00	-27.51	-28.80	-28.22	-26.60	-23.76	-19.53
138.5	-15.50	-16.37	-16.58	-16.38	-16.00	-15.70	-15.67	-15.90	-16.88	-17.50	-18.12	-18.67	-19.10	-19.33	-19.30	-18.95	-18.21	-17.02	-15.30
139.0	-4.80	-5.69	-8.11	-11.35	-14.71	-17.50	-19.17	-19.82	-19.71	-19.08	-18.20	-17.32	-16.69	-16.58	-18.90	-21.85	-26.33	-32.60	-40.91
139.5	-7.70	-8.91	-10.49	-12.23	-13.93	-15.40	-16.47	-17.19	-17.64	-17.91	-18.10	-18.29	-18.56	-19.01	-19.73	-20.80	-22.31	-24.36	-30.40
140.0	-10.10	-10.27	-10.83	-11.61	-12.42	-13.10	-13.50	-13.65	-13.43	-13.20	-12.97	-12.80	-12.75	-12.90	-13.30	-14.02	-15.11	-16.65	-18.70
140.5	-6.60	-7.06	-8.71	-11.12	-13.86	-16.50	-18.71	-20.50	-21.97	-23.24	-24.40	-25.56	-26.83	-28.30	-30.09	-32.30	-35.03	-38.39	-42.49
141.0	-9.80	-9.28	-8.87	-8.59	-8.45	-8.50	-8.74	-9.14	-9.66	-10.26	-10.90	-11.54	-12.14	-12.66	-13.06	-13.30	-13.33	-13.13	-12.64
141.5	-17.40	-19.93	-22.48	-24.62	-25.97	-26.10	-24.74	-22.09	-18.46	-14.19	-9.60	-5.01	-0.74	2.89	5.54	6.65	4.45	0.00	7.04
142.0	-6.90	-7.85	-9.26	-11.01	-12.99	-15.10	-17.24	-19.40	-21.56	-23.73	-25.90	-28.07	-30.24	-32.40	-34.56	-36.70	-38.83	-40.93	-43.02
142.5	-8.70	-11.07	-14.06	-17.16	-19.87	-22.27	-24.72	-27.22	-29.35	-31.41	-33.99	-36.20	-38.40	-40.68	-42.95	-45.20	-47.42	-49.61	-51.76

ASPECT
ANGLE

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
143.0	-14.30	-13.10	-11.51	-9.90	-8.64	-8.10	8.56	-11.90	-14.34	-17.00	-19.66	22.10	24.10	25.44	25.90	25.27	-23.31	-19.82	-14.58
143.5	-15.20	-15.11	-14.81	-14.42	-14.04	-13.80	-13.79	-14.34	-14.79	-15.30	-15.81	-16.26	-16.61	-16.81	-16.80	-16.53	-15.96	-15.02	-13.68
144.0	-18.10	-18.39	-17.76	-16.59	-15.27	-14.20	-13.68	-13.66	-14.65	-15.40	-16.15	-16.77	-17.14	-17.12	-16.60	-15.44	-13.52	-10.71	-6.89
144.5	-11.60	-12.72	-13.64	-14.58	-15.36	-16.40	-17.70	-19.22	-22.73	-25.40	-26.47	-28.28	-29.98	-31.50	-32.80	-33.81	-34.48	-34.75	-34.57
145.0	-23.00	-22.53	-21.41	-19.96	-18.49	-17.30	-16.63	-16.43	-16.99	-17.50	-18.01	-18.41	-18.57	-18.37	-17.70	-16.44	-14.47	-11.67	-7.92
145.5	-13.80	-13.32	-13.03	-12.87	-12.78	-12.70	-12.58	-12.42	-12.02	-11.80	-11.58	-11.37	-11.18	-11.02	-10.90	-10.83	-10.82	-10.88	-11.02
146.0	-9.40	-9.63	-10.77	-12.34	-13.84	-14.80	-14.83	-14.03	-14.80	-15.70	-16.65	-17.52	-18.01	-18.37	-18.57	-18.70	-18.77	-18.77	-18.77
146.5	-22.00	-22.71	-22.03	-20.36	-18.12	-15.70	-13.43	-11.34	-7.52	-5.70	-3.88	-2.02	-0.6	2.03	4.30	6.80	9.56	12.64	16.08
147.0	-8.90	-10.25	-11.96	-13.64	-14.88	-15.30	-14.62	-12.96	-7.71	-4.60	-1.49	1.38	3.76	5.42	6.10	5.57	3.59	-0.9	-5.71
147.5	-24.60	-23.12	-19.75	-15.38	-10.90	-7.20	-4.96	-4.06	-4.91	-6.00	-7.09	-7.85	-7.94	-7.04	-4.80	-2.90	5.01	13.24	24.14
148.0	-19.90	-19.26	-16.89	-13.57	-10.08	-7.20	5.54	-5.01	6.16	-7.30	-8.44	-9.30	-9.59	-9.06	-7.40	-4.35	3.8	7.06	15.98
148.5	-10.00	-9.36	-9.03	-8.92	-8.97	9.10	-9.24	-9.38	9.52	-9.66	-9.94	-10.08	-10.22	-10.36	-10.50	-10.64	-10.78	-10.91	-11.05
149.0	-7.80	-8.91	-10.07	-11.13	-11.95	-12.40	12.37	-11.91	10.18	-9.10	-8.02	-7.05	-6.29	-5.83	-5.80	-6.29	-7.40	-9.25	-11.92
149.5	-19.10	-17.98	-15.57	-12.54	9.53	7.20	6.05	5.98	6.71	-9.50	11.03	-12.29	-13.02	-12.95	-11.80	-9.32	-5.23	-7.3	8.83
150.0	-18.00	-17.04	-14.64	-11.62	8.80	7.00	6.85	-8.17	10.60	13.77	-20.83	-24.00	-26.43	-27.75	-27.60	-25.61	-21.40	-14.61	4.88
150.5	-25.70	-22.45	-17.86	-13.03	9.02	6.90	7.48	-10.43	15.16	21.08	-27.60	-34.12	-40.04	-44.77	-48.30	-45.91	-39.95	-29.83	-14.96
151.0	-25.90	-23.96	-20.14	-15.58	11.42	8.80	8.58	-10.51	14.05	18.65	-28.95	-33.55	-37.09	-39.02	-38.80	-35.90	-29.78	-19.91	5.75
151.5	-19.50	-17.68	-15.36	-12.97	10.91	-9.60	9.34	-10.02	13.23	-15.30	-17.37	-19.21	-20.58	-21.26	-21.00	-19.58	-16.77	-12.32	6.02
152.0	-14.10	-13.70	-13.64	-13.71	13.73	13.50	12.87	-11.89	10.64	-9.22	-6.18	-4.76	-3.51	-2.53	1.90	-1.72	-2.07	-3.04	4.72
152.5	-8.40	-10.13	-13.21	-16.79	20.01	22.00	22.12	20.57	17.78	14.15	10.10	6.05	2.42	3.7	1.92	1.80	-4.1	5.11	23.69
153.0	-8.90	-8.68	-10.21	-12.68	15.31	17.40	18.03	17.60	16.32	14.45	12.40	10.15	8.28	7.00	-6.57	-7.30	-9.47	-13.36	-19.27
153.5	-14.20	-13.21	-12.43	-11.87	11.56	11.50	11.71	-12.14	12.73	13.43	14.20	14.96	15.67	16.26	-16.69	-16.83	-16.43	-15.65	-14.32
154.0	-13.40	-11.93	-10.92	-10.41	10.43	11.00	12.12	13.71	15.65	17.82	20.10	22.48	24.55	26.49	-28.08	-29.74	-29.59	-28.63	26.73
154.5	-14.40	-13.95	-13.34	-12.71	12.21	12.00	-12.19	-12.73	13.54	14.53	-15.60	-16.67	-17.66	-18.46	-19.01	-19.20	-18.95	-18.17	-16.78
155.0	-15.90	-14.81	-14.34	-14.25	14.29	-14.20	-13.80	13.11	-11.13	10.00	-8.87	-7.81	6.89	-6.20	-5.80	-5.77	-6.18	7.10	8.61
155.5	-9.10	-11.05	-14.60	-18.72	22.37	24.50	-24.34	-22.14	18.41	13.66	-3.14	1.61	5.34	7.54	7.70	5.31	3.14	9.17	-22.27
156.0	-10.10	-12.14	-14.73	-17.27	-19.16	-19.80	-18.76	-16.24	12.61	8.24	3.50	5.61	9.24	11.76	12.80	12.00	8.98	3.37	5.19
156.5	-11.20	-11.35	-11.58	-11.70	-11.54	-10.90	9.66	-7.90	5.75	3.34	-8.0	4.15	6.30	8.06	9.30	9.88	9.69	8.57	6.42
157.0	-12.30	-12.41	-11.91	-10.94	-9.65	8.20	-6.70	-5.19	3.67	-2.14	-6.0	2.47	3.99	5.50	7.00	8.48	9.93	11.36	12.76
157.5	-18.70	-18.00	-15.74	-12.56	-9.12	-6.10	-4.00	-2.75	-2.14	-1.97	-2.00	-1.86	-1.25	0.0	2.10	5.27	9.72	15.67	23.32
158.0	-18.40	-17.66	-15.40	-12.27	-8.95	-6.10	-4.25	-3.31	-3.06	-3.26	-3.70	-4.13	-4.34	-4.09	-3.15	-1.30	1.70	6.07	12.04
158.5	-14.50	-13.73	-12.02	-9.83	-7.57	-5.70	-4.55	-4.06	-4.07	-4.40	-4.90	-5.73	-5.74	-5.25	-4.10	-2.13	0.83	4.94	10.37
159.0	-13.80	-12.97	-11.37	-9.38	-7.40	-5.80	-4.89	-4.60	-4.77	-5.26	-5.90	-7.03	-7.20	-6.91	-6.00	-4.31	-1.70	2.01	6.95
159.5	-12.40	-11.10	-9.42	-7.64	-6.01	-4.80	-4.20	-4.15	4.51	5.14	5.90	-7.29	-7.65	-7.60	-7.00	-5.72	-3.63	-5.58	3.56
160.0	-10.10	-7.27	-5.27	-3.97	-3.26	-3.00	-3.09	-3.46	-4.03	-4.73	-5.50	-6.97	-7.54	-7.91	-8.00	-7.75	-7.10	-5.97	-4.30
160.5	-10.40	-6.46	-3.74	-2.06	-1.21	-1.00	-1.24	-1.83	-2.67	-3.69	-4.80	-5.91	-6.93	-7.77	-8.36	-8.40	-7.69	-6.36	-4.34
161.0	-11.90	-8.11	-5.07	-2.77	-1.21	-4.0	-3.1	-8.1	-1.76	-3.00	-4.40	-5.80	-7.04	-7.99	-8.49	-8.40	-7.56	-5.83	9.1
161.5	-7.90	-5.34	-3.32	-1.82	-8.5	-4.0	-4.4	-9.0	-1.66	-2.63	-3.70	-4.77	-5.74	-6.50	-6.96	-7.00	-6.53	-5.45	-1.02
162.0	-4.30	-2.78	-1.76	-1.15	-8.6	-8.0	-9.0	-1.12	-1.43	-1.80	-2.20	-2.60	-2.97	-3.28	-3.50	-3.60	-3.33	-2.90	2.23
162.5	-2.20	-1.61	-1.25	-1.06	-1.00	-1.01	-1.01	-1.03	-1.05	-1.08	-1.10	-1.12	-1.15	-1.17	-1.20	-1.21	-1.21	-1.21	1.19
163.0	-2.00	-1.43	-1.04	-0.76	-5.3	-3.0	-0.2	3.2	6.9	1.09	1.50	1.91	2.31	2.68	3.02	3.30	3.66	3.72	3.67
163.5	-3.00	-2.02	-1.05	-0.11	7.5	1.50	2.12	2.61	3.02	3.38	3.70	4.02	4.38	4.79	5.28	5.90	6.66	7.60	10.11
164.0	-4.20	-2.68	-1.03	6.1	2.10	3.30	4.11	4.58	4.80	4.84	4.80	4.76	5.02	5.49	6.30	7.54	9.29	11.63	14.66

ASPECT
ANGLE

BISTATIC ANGLE

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
164.5	-3.88	-1.67	.58	2.65	4.30	5.36	5.90	6.05	5.94	5.70	5.46	5.35	5.50	6.04	7.10	8.81	11.31	14.71	19.16
165.0	-4.70	-1.97	.98	3.74	5.90	7.14	7.57	7.38	6.79	6.00	5.21	4.62	4.43	4.86	6.10	8.36	11.84	16.74	23.27
165.5	-3.82	-1.88	2.25	5.13	7.30	8.42	8.60	8.09	7.11	5.90	4.69	3.71	3.20	3.38	4.50	6.78	10.46	15.77	22.95
166.0	-1.09	-1.09	4.09	6.37	8.00	8.73	8.66	8.01	6.95	5.70	4.45	3.39	2.74	2.67	3.40	5.12	8.03	12.32	18.20
166.5	-1.30	1.02	3.39	5.58	7.37	8.50	8.82	7.52	6.25	4.80	3.35	2.08	1.17	.78	1.10	2.30	4.56	8.06	12.97
167.0	1.00	3.49	5.55	7.11	8.12	8.50	8.24	6.21	4.72	3.10	1.48	-.01	1.23	-2.04	-2.30	-1.88	-.65	1.54	4.82
167.5	2.00	4.93	6.93	8.11	8.56	8.40	7.73	5.27	3.69	2.00	.31	-1.27	-2.65	-5.33	-4.40	-4.56	-4.11	-2.96	-.98
168.0	2.70	7.96	9.00	9.15	8.50	7.19	5.33	3.08	.56	-2.10	-4.76	-7.28	-9.53	-11.39	-12.70	-13.34	-13.18	-12.08	-.90
168.5	3.50	6.30	8.13	9.06	8.40	6.94	4.88	2.37	-.44	-3.40	-6.36	-9.17	-11.68	-13.74	-15.20	-15.92	-15.73	-14.50	-12.08
169.0	3.90	6.16	7.72	8.54	8.57	7.80	6.21	1.18	-1.92	-5.20	-8.48	-11.58	-14.35	-16.61	-18.20	-18.94	-18.66	-17.21	-14.39
169.5	4.40	6.20	7.46	8.10	8.04	7.20	5.55	.36	2.83	-6.20	-9.57	-12.76	-15.61	-17.95	-19.60	-20.40	-20.16	-18.73	-15.92
170.0	4.60	6.09	7.10	7.53	7.29	6.30	4.50	2.02	4.30	-7.80	-11.30	-14.63	-17.62	-20.10	-21.90	-22.85	-22.78	-21.53	-18.91
170.5	4.50	5.61	6.30	6.49	6.05	4.90	2.97	.38	6.12	9.70	-13.28	-16.69	-19.78	-22.37	-24.30	-25.41	-25.53	-24.50	-22.15
171.0	4.20	4.64	4.76	4.51	3.81	2.60	.85	-1.36	6.70	9.60	-12.50	-15.28	-17.84	-20.05	-21.80	-22.98	-23.47	-23.16	-21.92
171.5	3.60	3.38	3.07	2.61	1.94	1.00	-.26	-1.78	5.37	7.30	9.23	-11.09	-12.82	-14.34	-15.60	-16.52	-17.04	-17.08	-16.59
172.0	3.00	2.34	1.65	.92	-.17	1.40	2.21	3.03	3.86	4.70	5.54	6.37	7.19	8.00	8.80	-9.57	-10.32	-11.04	-11.73
172.5	2.30	1.74	1.03	-.24	-.56	1.30	1.92	2.44	3.25	3.60	3.95	-4.33	-4.76	5.28	5.90	-6.66	-7.57	-8.68	-10.00
173.0	.50	.24	-.01	-.27	.53	1.09	1.41	1.73	2.06	2.40	2.74	3.07	3.39	-3.71	4.00	-4.27	-4.52	-4.73	-4.92
173.5	-1.50	-1.38	1.09	-.73	-.37	1.0	.02	1.5	.36	.60	.84	1.05	1.18	-1.21	1.10	-.81	1.31	1.43	1.46
174.0	-5.50	-4.95	3.88	2.55	-1.20	1.0	.57	.85	.61	.30	-.01	.23	.25	.03	.70	1.86	3.61	6.06	9.28
174.5	-6.70	-6.05	4.94	3.62	2.35	1.40	.97	1.37	1.98	2.70	-3.42	4.03	4.41	-4.43	4.00	2.99	1.28	1.24	4.68
175.0	7.30	7.10	6.62	6.00	5.37	4.90	4.69	4.71	5.22	5.60	5.98	6.29	6.49	6.51	6.30	-5.79	4.93	3.66	1.92
175.5	5.40	5.21	5.20	-5.33	-5.57	5.90	6.29	6.73	7.20	7.69	8.20	8.71	9.20	9.67	10.11	-10.50	-10.83	-11.10	11.17
176.0	3.60	3.00	2.70	2.76	3.24	4.20	5.67	7.58	9.80	12.25	14.80	-17.35	-19.80	-22.02	-23.93	-25.40	-26.33	-26.61	24.80
176.5	-2.90	-1.46	-.46	-.17	.86	2.80	6.17	10.76	16.27	22.38	-28.80	-35.22	-41.33	-46.84	-51.43	-54.80	-56.65	-56.66	49.99
177.0	-2.50	-1.41	-1.14	-1.61	-2.76	4.50	-6.77	9.45	-12.46	-15.68	19.00	-22.32	-25.54	-28.55	-31.23	-33.50	-35.24	-36.34	36.23
177.5	-2.90	-1.66	-1.73	-2.81	-4.57	8.94	11.21	-13.53	15.86	-18.20	-20.54	-22.87	-25.19	-27.46	-29.70	-31.88	-34.00	-36.04	38.00
178.0	-7.20	-6.96	-7.09	-7.48	-8.05	-9.34	9.97	-10.59	11.20	11.80	-12.40	-13.01	-13.63	-14.26	-14.90	-15.56	-16.25	-16.97	17.72
178.5	-9.80	-10.76	-11.59	-12.24	-12.66	-12.80	-12.20	-11.58	-10.82	-10.00	-9.18	-8.42	-7.80	-7.37	-7.20	-7.36	-7.91	-8.92	-10.46
179.0	-9.80	-11.33	-12.95	-14.50	-15.77	-16.60	-16.58	-15.93	-15.03	-14.00	-12.97	-12.07	-11.42	-11.16	-11.40	-12.28	-13.92	-16.45	-19.99
179.5	-23.00	-26.20	-30.39	-34.87	-38.91	-43.00	-42.71	-41.30	-39.14	-36.60	-34.06	-31.90	-30.49	-30.20	-31.40	-34.47	-39.79	-47.72	58.64

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